

Michael P. Dorsch, PharmD, MS, FCCP, FAHA, FACC

Business Address

University of Michigan College of Pharmacy
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Ann Arbor, MI 48109
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Professional Experience

- 2024-Present **Associate Director, MGI Cohort Development**
AI & Digital Health Innovation (formerly Precision Health), University of Michigan
- 2023-Present **Lynda S. Welage Collegiate Professor of Pharmacy**
College of Pharmacy, University of Michigan, Ann Arbor, MI
- 2022-Present **Section Editor**
Journal of Medical Internet Research, mHealth and uHealth (JMU)
- 2021-Present **Associate Professor with Tenure**
College of Pharmacy, University of Michigan, Ann Arbor, MI
- 2018-2021 **Assistant Professor (tenure track)**
College of Pharmacy, University of Michigan, Ann Arbor, MI
- 2014-2018 **Clinical Associate Professor**
College of Pharmacy, University of Michigan, Ann Arbor, MI
- 2007-2018 **Director, PGY2 Cardiology Specialty Residency**
Department of Pharmacy Services, University of Michigan Health System, Ann Arbor, MI
- 2005-Present **Clinical Pharmacist, Cardiology**
Department of Pharmacy Services, University of Michigan Health System, Ann Arbor, MI
- 2012-2014 **Clinical Assistant Professor**
College of Pharmacy, University of Michigan, Ann Arbor, MI
- 2007-2012 **Adjunct Clinical Assistant Professor**
College of Pharmacy, University of Michigan, Ann Arbor, MI
- 2006-2009 **Preceptor, ACCP Heart Failure Traineeship**
Department of Pharmacy Services, University of Michigan Health System, Ann Arbor, MI
- 2005-2007 **Adjunct Clinical Instructor**
College of Pharmacy, University of Michigan, Ann Arbor, MI

- 2004-2005 **Clinical Instructor**
 Division of Pharmacotherapy and Experimental Therapeutics
 School of Pharmacy, University of North Carolina, Chapel Hill, NC
- 2004-2005 **Pharmacist**
 Department of Pharmacy, University of North Carolina Hospitals, Chapel Hill, NC
- 2003-2004 **Pharmacist**
 Department of Pharmacy, Riverside Methodist Hospital, Columbus, OH
- 2003-2004 **Pharmacist**
 The Kroger Company, Columbus, OH
- 1997-2002 **Pharmacy Intern**
 Drug Information Center, Ohio Northern University, Ada, OH

Education and Training

- 2007-2009 **Master of Science, Clinical Research Design and Statistical Analysis**
 University of Michigan, School of Public Health, Ann Arbor, MI
- 2007-2009 **Clinical Research Training Program (K30)**
 University of Michigan, Medical School, Ann Arbor, MI
- 2004-2005 **PGY2 Cardiology Specialty Residency, ASHP-accredited**
 University of North Carolina Hospitals, Chapel Hill, NC
- 2003-2004 **PGY1 Pharmacy Practice Residency, ASHP-accredited**
 Riverside Methodist Hospital, Columbus, OH
- 1997-2003 **Doctor of Pharmacy**
 Ohio Northern University, Ada, Ohio

Licensure

- 2003-Present Registered pharmacist, Ohio
 2004-Present Registered pharmacist, North Carolina
 2005-Present Registered pharmacist, Michigan

SCHOLARSHIP

Narrative: My research program studies the effects of digital health tools on cardiovascular disease. This work encompasses patient- and provider-facing clinical decision support, drawing on methods from behavioral health, computer science, data science, and clinical translation. I have prospectively studied two mobile application-based just-in-time adaptive interventions (JITAs) and provider-facing applications in hypertension, anticoagulation, and heart failure. In addition to these technology-based interventions, I am passionate about researching appropriate medication therapy for cardiovascular disease. This is evident from my over 17 years of research publications in outcomes research. The following sections reflect my dedication to a sustainable research program and demonstrate my commitment to collaboration in team science.

Research Funding

Active

The Impact of an Adaptive Patient-Centered Web Application on Medication Optimization in HFREF Patients
AHRQ R18 Total Award: \$2,988,632 09/30/2022 – 09/29/2026
Role: PI (20%)

Description: Our objectives are to (1) determine the effects of an adaptive SMART on FHIR web application on guideline-directed medication prescribing in HF, (2) assess concordance between the recommendations provided by the medication optimization algorithm and the medications prescribed, and (3) identify the patient and provider characteristics that moderate the effectiveness of the medication optimization web application.

A Just-In-Time Adaptive Mobile Application Intervention to Reduce Sodium Intake and Blood Pressure in Hypertensive Patients
NIH/NHLBI R61/R33 Total Award: \$3,887,135 09/15/2021 – 08/31/2026

Role: PI (20%), Co-PI - Nallamothu

Description: This proposal aims to determine the efficacy of a mobile application-based JITAI on blood pressure in a prospective clinical trial (LowSalt4Life 2).

Diversity Supplement: Cornelius James, MD

Development and Implementation of a Digital Optimization Toolkit for Management of Heart Failure after Discharge - AHA HTI SFRN Supplement

AHA SFRN, Health IT Total Award: \$700,000 07/01/2021 – 06/31/2026

Role: PI (20%)

Description: This is a collaborative project among all AHA HTI SFRN Centers. This project aims to create a toolkit that integrates with the American Heart Association's guideline-based care to enhance medical therapy and medication adherence, ultimately improving outcomes for post-discharge heart failure patients.

Previous

Preventing medication errors due to unsafe electronic prescription transactions with just-in-time feedback
AHRQ R18 Total Award: \$1,460,669 09/30/2022 – 09/29/2025

Role: Co-Investigator (5%), Principal Investigator (Lester)

Implementing Prescriber-Pharmacist Collaborative Care for Evidence-based Anticoagulant Use

AHRQ R18 Total Award: \$1,300,000 09/30/2021 – 09/29/2024

Role: Co-Investigator (5%), Multiple Principal Investigator (Barnes/Smith)

Improving Safe Use of Direct Oral Anticoagulants: A Population Health Approach

AHRQ R18 Total Award: \$1,499,506 04/01/2020 – 03/31/2024

Role: Co-Investigator (5%), Principal Investigator (Barnes)

A multifaceted adaptive mobile application to promote self-management and improve outcomes in heart failure

NIH/NIA R01 Total Award: \$3,067,380 04/15/2020 – 03/31/2024

Role: PI (25%)

Wearables In Reducing Risk and Enhancing Daily Lifestyle (WIRED-L)

AHA SFRN, Health IT Total Award: \$2,676,000 04/01/2020 – 03/31/2024

Role: PI (10%)

Electronic Decision Algorithms to Support Consumers as They Make Decisions About Over-the-Counter Medications
Internal UM COP Award Total Award: \$15,000 07/11/2022 – 07/10/2023
Role: Co-Investigator (1%), Principal Investigator (Vordenberg)

A user-center designed anticoagulation shared decision-making tool for stroke prevention in atrial fibrillation
AHRQ R21 Total Award: \$300,000 08/01/2019 – 07/31/2021
Role: PI (20%)

Real-world characteristics and treatment patterns among patients with venous thromboembolism within the United States integrated delivery networks
Bristol-Myers Squibb Company Total Award: \$54,600 09/05/2019 – 09/04/2020
Role: PI (10%)

Development of an EHR clinical decision support application to improve the safety and quality of heart failure care
UM MCubed Total Award: \$60,000 09/01/2018 – 12/31/2020
Role: PI (effort in kind)

Quantify Use of ANTicoagUlation to improve Management of AF (QUANTUM AF study)
DCRI/Johnson & Johnson 01/01/2017 – 12/31/2019
Role: Steering Committee, Principal Investigators (Hylek, Granger)

Identification of Familial Hypercholesterolemia Patients in the University of Michigan Electronic Health Record.
Amgen, Inc. Total Award: \$187,037 09/01/2018 – 08/31/2019
Role: PI (10%)

A patient-centered mobile intervention to promote self-management and improve patient outcomes in chronic heart failure.
NIH/NIA R21 Total Award: \$426,250 09/01/2016 – 04/30/2019
Role: PI (20%)

A geofencing-based adaptive messaging system to support patient self-management of a low sodium diet in hypertension.
AHRQ R21 Total Award: \$299,622 05/03/2016 – 04/30/2019
Role: PI (20%)

A patient-centered mobile application for active and passive self-monitoring in heart failure.
UM Frankel Cardiovascular Center Total Award: \$25,000 01/01/2014 – 12/31/2016
Role: Co-Investigator (effort in kind), Principal Investigator (Koelling)

The validation of a novel adherence method for oral oncolytics.
HOPA Total Award: \$47,500 01/01/2015 – 12/31/2015
Role: Co-Investigator (5%), Principal Investigator (Kraft S)

MICHR Postdoctoral Translational Scholars Program – Aqeel Ahmed, Ph.D. (PI)
Michigan Institute for Clinical and Health Research 01/01/2014 – 12/31/2015
Role: Mentor (effort in kind)

Echocardiography supplement: The Effects of Vitamin D Supplementation and Genetics on Biomarkers and Functional Status in Systolic Heart Failure.
UM Frankel Cardiovascular Center Total Award: \$25,000 2010 – 2014
Role: PI

The Effects of Vitamin D Supplementation and Genetics on Biomarkers and Functional Status in Systolic Heart Failure.
UM CTSA grant (UL1RR024986) Total Award: \$75,000 2009 – 2012
Role: PI

Publications (* = for trainee)

Total Number of Peer-reviewed Publications: 121

Google Scholar Statistics

Citations: 2538
h-index: 25
i10-index: 49

Original Research Publications (* = for trainee, # = co-first authors)

93. Lin YJ, Fabbri M, **Dorsch MP**, Seagull FJ, Barnes GD, Smith SN. Evaluating patient acceptability of clinical pharmacist engagement following clinical decision support. *Explor Res Clin Soc Pharm.* 2026;(100705):100705.
92. James CA*, Krein SL, Yon S, **Dorsch MP**, Piette JD, Nallamotheu BK. Patient and Clinician Attitudes Toward Mobile Health Applications: A Qualitative Study. *JMIR mHealth uHealth* (forthcoming). doi:10.2196/77519. Accepted January 2026.
91. **Dorsch MP**, Ali MS, Krambrink A, Kolenic G, Ganai S, Arzac J, Zhang X, Greer KM, Shah AJ, Cowger JA, Ewald G, Rodgers JE, Dixon D, Koelling TM, Hummel SL. The ManageHF Just-in-Time Adaptive Mobile Application Interventions to Promote Self-Management and Improve Outcomes in Heart Failure: A Randomized Controlled Trial. *JMIR mHealth uHealth.* 2025 Dec 19. doi: 10.2196/74121. Epub ahead of print. PMID: 41428504.
90. Zheng Y*, Farris KB, Coe A, **Dorsch MP**, Najarian K, Lester C. The impact of data source on real-world medication adherence and exposure measures: from prescription to sold. *J Manag Care Spec Pharm.* Accepted December 2025.
89. Golbus JR#, **Dorsch MP**#, Chen Y, Basu T, Luff E, Klasnja P, Newman MW, Skolarus LE, Dempsey W, Nallamotheu BK. Impact of Push Notifications on Physical Activity and Sodium Intake Amongst Patients with Hypertension: A Micro-Randomized Trial of a Just-In-Time Adaptive Intervention. *J Med Internet Res.* 2026 Jan 7;28:e78218.
88. Barnes GD, Choi SY, Lanham MS, **Dorsch MP**, Errickson J, Fabbri M, Saraswat A, Seagull FJ, Smith SN. Implementing Prescriber-Pharmacist Collaboration to Improve Evidence-based Medication

Prescribing Using Asynchronous, Non-interruptive Electronic Health Record Notifications.
Implementation Science. Accepted December 2025. [Epub ahead of print]

87. Ali MS*, Greer KM, Ganai S, Koelling TM, Hummel SL, **Dorsch MP**. Association of an Algorithm-Generated Medication Optimization Score with Clinical Outcomes in Ambulatory Patients with Heart Failure. *Pharmacotherapy*. Accepted November 2025.
86. Gonzalez RT*, Abbott MR, Nallamotheu B, Hummel S, **Dorsch MP**, Dempsey W. Practical considerations when designing an online learning algorithm for an app-based mHealth intervention. *arXiv [statME]*. Published online November 11, 2025. doi:10.48550/arXiv.2511.08719
85. **Dorsch MP**, Dempsey W, Krambrink A, Ganai S, Greer KM, Ali MS, Gesierich C, O'Neill M, Nallamotheu BK, Hummel SL. A Just-In-Time Adaptive Mobile Application Intervention to Reduce Sodium Intake and Blood Pressure in Patients with Hypertension: Rationale and Design of the LowSalt4Life 2 Trial. *Am Heart J*. 2025 Oct 27:107294. Epub ahead of print.
84. Ali MS*, Greer KM, Ganai S, Schenk P, Koelling TM, Hummel SL, **Dorsch MP**. The Association Between Office, Video, and Telemanagement Encounters and GDMT Optimization in Advanced HFREF. *JACC Adv*. 2026;5(1):102375.
83. Ali MS*, Oewel B, Greer KM, Ganai S, Newman MW, Murdoch-Kitt K, Hummel SL, **Dorsch MP**. Physicians' Use of Electronic Health Record Data Elements and Decision Support Tools in Heart Failure Management: User-Centered Cross-Sectional Survey Study. *JMIR Cardio*. 2025;9:e79239.
82. Chang C, Basu T, Hummel SL, Keteyian S, Koelling TM, Nallamotheu BK, Sandhu AT, **Dorsch MP**, Golbus JR. Guideline-Directed Medical Therapies Among Patients with Heart Failure Enrolled in Cardiac Rehabilitation. *J Cardiopulm Rehabil Prev*. Accepted September 2025.
81. Gong J, Marshall VD, Whitaker M, Rowell B, **Dorsch MP**, Bagian JP, Lester CA. Enhancing Medication Safety with System Approach to Verifying Electronic Prescriptions (SAV E-Rx): Pharmacists' Review of Product Selection Outcomes Between Prescribed and Dispensed Medications. *BMJ Health Care Inform*. 2025 Sep 21;32(1):e101561.
80. Rubick GV, **Dorsch MP**, Hummel SL, Basu T, Luff E, Warden K, Giacalone M, Bailey S, Newman MW, Skolarus LE, Nallamotheu BK, Golbus JR. Daily Dietary Sodium Intake among Clinical Trial Participants Recruited from a University Health System or a Federally Qualified Health Center: A Secondary Analysis of Baseline Participant Characteristics. *JMIR Cardio* 2025;9:e71343.
79. **Dorsch MP**[#], Golbus JR[#], Stevens R, Trumpower B, Basu T, Luff E, Warden K, Giacalone M, Bailey S, Rubick GV, Mishra S, Klasnja P, Newman MW, Skolarus LE, Nallamotheu BK. Physical activity and diet just-in-time adaptive intervention to reduce blood pressure: a randomized controlled trial. *NPJ Digit Med*. 2025;8(1):438.
78. Eze CE*, **Dorsch MP**, Coe AB, Lester CA, Buis LR, Farris KB. Electronic Health Literacy and Participation in Remote Blood Pressure Monitoring Among Patients with Hypertension: A Cross-sectional Study. *J Med Internet Res*. 2025 Jul 31;27:e71926.

77. Shah V*, Cordwin D, Hummel SL, **Dorsch MP**. Chloride dipstick to rapidly estimate urine sodium during diuresis in acute heart failure. *Pharmacotherapy*. 2025;45(6):352-355.
76. **Dorsch MP**, Flynn A, Greer K, Ganai S, Barnes GD, Zikmund-Fisher B. A web-based tool to perform a values clarification for stroke prevention in patients with atrial fibrillation: Design and preliminary testing. *JMIR Cardio* 2025;9:e67956.
75. Chen CS*, **Dorsch MP**, Alsomairy S, Griggs JJ, Jagsi R, Sabel M, Stino A, Callaghan B, Hertz DL. Remote Monitoring of Chemotherapy-Induced Peripheral Neuropathy via NeuroDetect iOS App: an Observational Cohort of Patients with Cancer. *J Med Internet Res* 2025;27:e65615.
74. Littleton SDR*, Lanfear DE, **Dorsch MP**, Liu B, Luzum JA. Equal treatment, unequal outcomes? Debunking the racial disparity in renin angiotensin aldosterone system inhibitor associated reduction in heart failure hospitalizations. *J Card Fail*. 2025 May;31(5):800-809.
73. Vordenberg SE, Nichos J, Marshall VD, Weir KR, **Dorsch MP**. Investigating older adults' perceptions of AI tools for medication decisions: Vignette-based experimental survey. *J Med Internet Res* 2024;26:e60794.
72. Eze CE, **Dorsch MP**, Coe AB, Lester CA, Buis LR, Farris KB. Behavioral Factors Related to Participation in Remote Blood Pressure Monitoring among Adults with Hypertension: A Cross-sectional Study. *JMIR Form Res* 2024;8:e56954.
71. Smith SN, Lanham MSM, Seagull FJ, Fabbri M, **Dorsch MP**, Jennings K, Barnes GD. System-Wide, Electronic Health Record–Based Medication Alerts for Appropriate Prescribing of Direct Oral Anticoagulants: Pilot Randomized Controlled Trial. *JMIR Form Res* 2024;8:e64674.
70. Barnes GD, Chen CS, Holleman R, Errickson J, Seagull FJ, **Dorsch MP**, Allen AL, Spoutz P, Sussman JB. Pharmacist Use of a Population Management Dashboard for Safe Anticoagulant Prescribing: Evaluation of a Nation-wide Implementation Effort. *J Am Heart Assoc*. 2024 Sep 17;13(18):e035859.
69. Alhashimi L*, Cordwin DJ*, Guidi J*, Hummel SL, Koelling TM, **Dorsch MP**. Differences in the approach to guideline-directed medical therapy in patients with heart failure with reduced ejection fraction: A survey of cardiologists, internists, and pharmacists. *J Am Coll Clin Pharm*. 2024;2024(9):881-887.
68. Cordwin DJ*, Guidi J*, Alhashimi L*, Hummel SL, Koelling TM, **Dorsch MP**. Differences in provider approach to initiating and titrating guideline-directed medical therapy in heart failure with reduced ejection fraction. *BMC Cardiovasc Disord*. 2024;24(1):247.
67. Golbus JR*, Jeganathan VSE, Stevens R, Ekechukwu W, Farhan Z, Contreras R, Rao N, Trumpower B, Basu T, Luff E, Skolarus LE, Newman MW, Nallamotheu BK, **Dorsch MP**. A Physical Activity and Diet Just-in-Time Adaptive Intervention to Reduce Blood Pressure: The myBPmyLife Study Rationale and Design. *J Am Heart Assoc*. 2024 Jan 16;13(2):e031234.
66. Skolarus LE, Farhan Z, Mishra SR*, Rao N, Bowie K, Bailey S, **Dorsch MP**, Newman MW, Nallamotheu BK, Golbus JR. Resource Requirements for Participant Enrollment From a University Health System and

a Federally Qualified Health Center Network in a Mobile Health Study: The myBPmyLife Trial. *J Am Heart Assoc.* 2024;13(2):e030825.

65. Spaulding EM, Isakadze N, Molello N, Khoury SR, Gao Y, Young L, Antonsdottir IM, Azizi Z, **Dorsch MP**, Golbus JR, Ciminelli A, Brant LCC, Himmelfarb CR, Coresh J, Marvel FA, Longenecker CT, Commodore-Mensah Y, Gilotra NA, Sandhu A, Nallamotheu B, Martin SS. Use of human-centered design methodology to develop a digital toolkit to optimize heart failure guideline-directed medical therapy. *J Cardiovasc Nurs.* 2024;39(3):245-254.
64. Campos-Staffico AM*, Jacoby JP, **Dorsch MP**, Limdi NA, Barnes GD, Luzum JA. Risk scores for major bleeding from direct oral anticoagulants: comparing predictive performance in patients with atrial fibrillation. *Res Pract Thromb Haemost.* 2024;8:e102285.
63. Ranusch A, Lin YJ, **Dorsch MP**, Allen AL, Spoutz P, Seagull FJ, Sussman JB, Barnes GD. Role of Individual Clinician Authority in the Implementation of Informatics Tools for Population-Based Medication Management: Qualitative Semi-structured Interview Study. *JMIR Hum Factors* 2023;10:e49025.
62. Eze CE, **Dorsch MP**, Coe AB, Lester CA, Buis LR, Farris KB. Facilitators and barriers to blood pressure telemonitoring: A mixed-methods study. *Digit Health.* 2023;9:20552076231187585.
61. Smith SN, Lanham M, Seagull FJ, **Dorsch MP**, Errickson J, Barnes GD. Implementing pharmacist-prescriber collaboration to improve evidence-based anticoagulant use: a randomized trial. *Implement Sci.* 2023 May 15;18(1):16.
60. **Dorsch MP**, Sifuentes A*, Cordwin DJ, Kuo R, Rowell BE, Arzac JJ, DeBacker K, Guidi JL, Hummel SL, Koelling TM. A Computable Algorithm for Medication Optimization in Heart Failure with Reduced Ejection Fraction. *JACC: Advances.* 2023;2(3):100289.
59. Hellem AK, Casetti A, Bowie K, Golbus JR*, Merid B*, Nallamotheu BK, **Dorsch MP**, Newman MW, Skolarus L. A community participatory approach to creating contextually tailored mHealth notifications: myBPmyLife Project. *Health Promot Pract.* 2024;25(3):417-427.
58. Vordenberg SE, Whittaker P, DeBacker K, **Dorsch MP**. Development and Pilot Testing of the OTC Coach Software to Support Student Pharmacist Learning. *Innov Pharm.* 2023 Nov 20;14(4):10.24926/iip.v14i4.5029.
57. Musse M, Lau JD, Yum B, Pinheiro LC, Curtis H, Anderson T, Steinman MA, Meyer M, **Dorsch MP**, Hummel SL, Goyal P. Physician Perspectives on the Use of Beta-Blockers in Heart Failure with Preserved Ejection Fraction. *Am J Cardiol.* 2023 Mar 4;193:70-74.
56. **Dorsch MP**, Chen CS, Allen AL, Sales AE, Seagull FJ, Spoutz P, Sussman JB, Barnes GD. The Nationwide Implementation of a Population Management Dashboard for Monitoring Direct Oral Anticoagulants: Insights from the Veterans Affairs Health System. *Circ Cardiovasc Qual Outcomes.* 2023 Feb;16(2):e009256.

55. Campos-Staffico AM*, **Dorsch MP**, Barnes GD, Zhu HJ, Limdi NA, Luzum JA. Eight pharmacokinetic genetic variants are not associated with the risk of bleeding from direct oral anticoagulants in non-valvular atrial fibrillation patients. *Front Pharmacol.* 2022 Nov 24;13:1007113.
54. Vordenberg SE, Maitah Y, Khan Z, DeBacker K, **Dorsch MP**. Consumer perceptions of the OTC Coach: A clinical decision support system aimed at improving the safe use of over-the-counter medications. *J Am Pharm Assoc.* 2023 Jan-Feb;63(1):135-143.
53. Alhashimi L*, Cordwin DJ*, Dandu C, Hummel SL, **Dorsch MP**. Patient Self-Assessment of Urine Dipsticks to Estimate Sodium Intake in Patients with Hypertension. *Clin Nutr ESPEN.* 2022;51:295-300.
52. Robles MC*, Newman MW, Doshi A, Bailey S, Huang L, Choi SJ*, Kurien C*, Merid B*, Cowdery J, Golbus JR, Huang C, **Dorsch MP**, Nallamotheu B, Skolarus LE. A Virtual, community-based participatory design approach to a Physical Activity Just-in-Time Adaptive Intervention in Partnership with a Predominately Black Community: Early-stage Design. *JMIR Form Res.* 2022 Mar 28;6(3):e33087.
51. Barnes GD, Sippola E, Ranusch A, Takamine L, Lanham M, **Dorsch MP**, Sales A, Sussman J. Implementing an electronic health record dashboard for safe anticoagulant management: learning from qualitative interviews with existing and potential users to develop an implementation process. *Implement Sci Commun.* 2022;3(1):10.
50. Adie SK, Bitar A, Konerman MC, **Dorsch MP**, Andrews CA, Pogue KT, Park JM. Tacrolimus time in therapeutic range and long-term outcomes in heart transplant recipients. *Pharmacotherapy.* 2022 Feb;42(2):106-111.
49. Eze CE*, West BT, **Dorsch MP**, Coe AB, Lester CA, Buis LR, Farris KB. Predictors of Smartphone and Tablet Use Among Patients With Hypertension: Secondary Analysis of Health Information National Trends Survey Data. *J Med Internet Res.* 2022;24(1):e33188.
48. Luzum JA, Edokobi O, **Dorsch MP**, Peterson E, Liu B, Gui H, Williams LK, Lanfear DE. Survival Association of Angiotensin Inhibitors in Heart Failure with Reduced Ejection Fraction: Comparisons Using Self-Identified Race and Genomic Ancestry. *J Card Fail.* 2022 Feb;28(2):215-225.
47. **Dorsch MP**, Farris KB, Rowell BE, Hummel SL, Koelling TM. The Effects of the ManageHF4Life Mobile Application on Patients With Chronic Heart Failure: Randomized Controlled Trial. *JMIR mHealth uHealth.* 2021 Dec 7;9(12):e26185. PMID: 34878990.
46. Campos-Staffico AM*, Cordwin D*, Murthy VL, **Dorsch MP**, Luzum JA. Comparative Performance of The Two Pooled Cohort Equations for Predicting Atherosclerotic Cardiovascular Disease. *Atherosclerosis.* 2021; 334:23-39.
45. Campos-Staffico AM*, Cordwin D*, Ding Y, Lester CA, Brook RD, Luzum JA, **Dorsch MP**. Fewer patients receive recommendations for pharmacotherapy in primary prevention using the 2018 atherosclerotic cardiovascular disease risk estimator. *Prev Med.* 2021 Jul;148:106555. PMID: 33862035.
44. Chen C*, Kim J, Guntupalli H, Garg N, Jagsi R, Griggs JJ, Sabel M, **Dorsch MP**, Callaghan B, Hertz DL. Chemotherapy-induced peripheral neuropathy detection via smartphone app: a cross-sectional pilot study.

JMIR mHealth and uHealth 2021;9(7):e27502.

43. Compagner C*, Lester CA, **Dorsch MP**. Sentiment Analysis of Online Reviews for Selective Serotonin Reuptake Inhibitors and Serotonin-Norepinephrine Reuptake Inhibitors. *Pharmacy*. 2021 Jan 23;9(1):27.
42. Schaefer JK*, Li M, Wu Z, Tanima Basu T, **Dorsch MP**, Barnes GD, Carrier M, Griggs JJ, Sood SL. Anticoagulant Medication Adherence for Cancer Associated Thrombosis: A Comparison of LMWH to DOACs. *J Thromb Haemost*. 2021;19(1):212-220.
41. Coe AB, Choe HM, Diez HL, Rockey NG, Ashjian EJ, **Dorsch MP**, Kim HM, Farris KB. Pharmacists providing care in statewide physician organizations: findings from the Michigan Pharmacists Transforming Care and Quality Collaborative. *J Manag Care Spec Pharm*. 2020;26(12):1558-66.
40. Schumacher L*, Coe AB, Lester CA, Rothermal M, **Dorsch MP**. Factors that influence patient acceptance of clinical pharmacy services: A nationwide survey. *J Am Pharm Assoc (2003)*. 2020;60(6):1058-1067.
39. Leino AD, **Dorsch MP**, Lester CA. Changes in Statin Utilization among US Adults with Diabetes: A Population-Based Analysis of NHANES 2011-2018. *Diabetes Care*. 2020;43(12):3110-3112.
38. Barnes GD, Sippola E, **Dorsch MP**, Errickson J, Lanham M, Allen A, Spoutz P, Sales A, Sussman J. Applying population health approaches to improve safe anticoagulant use in the outpatient setting: the DOAC Dashboard multi-cohort implementation evaluation study protocol. *Implement Sci*. 2020 Sep 21;15(1):83.
37. Brinker LM, Konerman MC, Navid P, **Dorsch MP**, McNamara J, Willer CJ, Tinetti ME, Hummel SL, Goyal P. Complex and Potentially Harmful Medication Patterns in Heart Failure with Preserved Ejection Fraction. *Am J Med*. 2021 Mar;134(3):374-382.
36. **Dorsch MP**, Cornellier ML, Poggi AD, Bilgen F, Chen P, Wu C, An LC, Hummel SL. Effects of a Novel Contextual Just-In-Time Mobile App Intervention (LowSalt4Life) on Sodium Intake in Adults With Hypertension: Pilot Randomized Controlled Trial. *JMIR mHealth uHealth*. 2020;8(8):e16696.
35. Zheng Y*, Jiang Y, **Dorsch MP**, Ding Y, Vydiswaran VGV, Lester CA. Work effort, readability and quality of pharmacy transcription of patient directions from electronic prescriptions: a retrospective observational cohort analysis. *BMJ Qual Saf*. 2021 Apr;30(4):311-319.
34. Erickson SR, Basu T, **Dorsch MP**, Kamdar, N. Disparities in the Use of Guideline-Based Pharmacotherapy Exist for Atherosclerotic Cardiovascular Disease and Heart Failure Patients who have Intellectual/Developmental Disabilities in a Commercially Insured Database. *Ann Pharmacother*. 2020 Oct;54(10):958-966.
33. Hanigan S, Das J, Pogue K, Barnes GD, **Dorsch MP**. The real-world use of combined P-glycoprotein and moderate CYP3A4 inhibitors with rivaroxaban or apixaban increases bleeding. *J Thromb Thrombolysis*. 2020 May;49(4):636-643.

32. **Dorsch MP**, Lester CA, Ding Y, Joseph M, Brook RD. Effects of Race on Statin Prescribing for Primary Prevention With High Atherosclerotic Cardiovascular Disease Risk in a Large Healthcare System. *J Am Heart Assoc*. 2019 Nov 19;8(22):e014709.
31. Adie S*, Bitar A, Hanigan S, Pogue KT, Koelling TM, **Dorsch MP**. Real-world prevalence of adverse events after initiating sacubitril/valsartan compared to angiotensin converting enzyme inhibitors or angiotensin receptor blockers in systolic heart failure. *J Card Fail*. 2019 May;25(5):412-413.
30. Rollins A*, Hanigan S, Pogue K, Renner E, Barnes G, **Dorsch MP**. Identifying Clinical Predictors of Switching From Direct Oral Anticoagulants to Warfarin. *Clinical Medicine Insights: Therapeutics*. 2019;11:1179559X19831287.
29. **Dorsch MP**, An LC, Hummel SL. A randomized controlled trial evaluating a novel just-in-time contextual mobile application intervention to reduce sodium intake in hypertension: Design and rationale for the LowSalt4Life trial. *JMIR Res Protoc*. 2018;7(12):e11282.
28. Bleske BE, Remington TL, Wells TD, Klein KC, **Dorsch MP**. A Randomized Crossover Comparison between Team-Based Learning and Lecture Format on Long-Term Learning Outcomes. *Pharmacy* 2018 Aug 4;6(3). pii: E81. doi: 10.3390/pharmacy6030081.
27. Remington TL, Bleske BE, Bartholomew T, **Dorsch MP**, Guthrie SK, Klein KC, Tingen JM, Wells TD. Qualitative Analysis of Student Perceptions Comparing Team-based Learning and Traditional Lecture in a Pharmacotherapeutics Course. *Am J Pharm Educ*. 2017 Apr;81(3):55.
26. Bleske BE, Remington TL, Wells TD, Klein KC, Guthrie SK, Tingen JM, Marshall VD, **Dorsch MP**. A Randomized Crossover Comparison of Team-based Learning and Lecture Format on Learning Outcomes. *Am J Pharm Educ*. 2016 Sep 25;80(7):120.
25. Early CR*, Park JM, **Dorsch MP**, Pogue KT, Hanigan S. Effect of Metronidazole Use on Tacrolimus Concentrations in Transplant Patients Treated for Clostridium difficile. *Transpl Infect Dis*. 2016 Oct;18(5):714-720.
24. Alabtain M*, Brenner MJ, Nicklas JM, Hummel SL, McCormick MP, Remington TL, Gure TR, **Dorsch MP**, Bleske BE. Hyponatremia, Cognitive Function, and Mobility in an Outpatient Heart Failure Population. *Med Sci Monit*. 2016 Dec 18;22:4978-4985.
23. Erickson SR, Spoutz P, **Dorsch MP**, Bleske BE. Cardiovascular risk and treatment for adults with intellectual or developmental disabilities. *Int J Cardiol*. 2016 Jul 5;221:371-375.
22. Ha NB*, Yang K, Hanigan S, Kurtz B, **Dorsch MP**, Mak H, Nagel J. Impact of a Guideline for the Management of Antimicrobial/Warfarin Interactions in the Inpatient Setting and Across Transition of Care. *Ann Pharmacother*. 2016 Sep;50(9):734-40.
21. Kaminsky B*, Pogue KT, Hanigan S, Koelling TK, **Dorsch MP**. Effects of Total Dose Infusion of Iron Intravenously in Patients with Acute Heart Failure and Anemia (Hemoglobin < 13 g/dL). *Am J Cardiol*. 2016 Jun 15;117(12):1942-6.

20. Vu NH, Jaynes E, Chan C, **Dorsch MP**, Pipe S, Alaniz C. Argatroban Monitoring: aPTT versus Chromogenic Assay. *Am J Hematol*. 2016 Jun;91(6):E303-4.
19. **Dorsch MP**, Chong YP, McCormick MP, Grossi J, Farris KB, Koelling TM, Bleske BE. Survey of Computer, Smart Devices, and Internet use in Heart Failure Patients. *International Cardiovascular Forum Journal*. 2016;6:84-85.
18. Scherkenbach LA*, Kraft MD, Stout SM, **Dorsch MP**, Chen X, Tran H, Pleva MR. Impact of an Intravenous Magnesium Shortage on Potassium Doses in Adult Surgical Patients Receiving Parenteral Nutrition. *JPEN J Parenter Enteral Nutr*. February 5, 2015. [Epub ahead of print]
17. **Dorsch MP**, Farris KB, Bleske BE, Koelling TM. A web application for self-monitoring improves symptoms in chronic systolic heart failure. *Telemed J E Health*. 2015;21(4):267-70.
16. Lose JM*, **Dorsch MP**, DiDomenico RJ. Comparison of practice patterns between inpatient cardiology pharmacists with and without added qualifications in cardiology. *Hosp Pharm*. 2015 Jan;50(1):51-8.
15. Bleske BE, Dillman NO, Cornelius D, Ward JK, Burson SC, Diez HL, Pickworth KK, Bennett MS, Nicklas JM, **Dorsch MP**. Heart failure assessment at the community pharmacy level: a feasibility pilot study. *J Am Pharm Assoc*. 2014 Nov-Dec;54(6):634-41.
14. **Dorsch MP**, Lose JM*, DiDomenico RJ. The Effect of Cardiovascular Credentialed Pharmacists on Process Measures and Outcomes in Myocardial Infarction and Heart Failure. *Pharmacotherapy*. 2014 Aug;34(8):803-8.
13. Bleske BE, Remington TL, Wells TD, **Dorsch MP**, Guthrie SK, Stumpf JL, Alaniz MC, Ellingrod VL, Tingen JM. Team-based learning to improve learning outcomes in a therapeutics course sequence. *Am J Pharm Educ*. 2014 Feb 12;78(1):13.
12. **Dorsch MP**, Nemerovski CW*, Ellingrod V, Cowger CA, Dyke DB, Koelling TM, Wu AH, Simpson RU, Bleske BE. Vitamin D Receptor Genetics on Extracellular Matrix Biomarkers and Hemodynamics in Systolic Heart Failure. *J Cardiovasc Pharmacol Ther* 2014 Sep;19(5):439-45.
11. Shuster JE*, **Dorsch MP**. Utilization of a Computerized Clinical Surveillance System to Increase Acute Myocardial Infarction Core Measure Compliance. *Hosp Pharm* 2014; 49 (1): 1-6.
10. Lose JM*, **Dorsch MP**, Stevenson JG. Cost Containment for Argatroban Through Reduction in Drug Waste: Experience at a Single Center. *Pharmacy Times* March 2013 Supplement: 1-4.
9. Clarke MM*, **Dorsch MP**, Kim S, Aaronson KD, Koelling TM, Bleske BE. Baseline Albumin Is Associated with Worsening Renal Function in Patients with Acute Decompensated Heart Failure Receiving Continuous Infusion Loop Diuretics. *Pharmacotherapy*. 2013;33(6):583-8.
8. Bleske BE, Clark MM*, Wu AH, **Dorsch MP**. The Effect of Continuous Infusion Loop Diuretics in Patients With Acute Decompensated Heart Failure With Hypoalbuminemia. *J Cardiovasc Pharmacol Ther* 2013 Jul;18(4):334-7.

7. Pettit RS*, Zimmerman CR, Alaniz C, **Dorsch MP**. Cost Analysis Before and After Implementation of a Computerized Physician Order Entry Order Form for Enoxaparin. *Pharmacy and Therapeutics* 2012. 37 (2): 107-111.
6. Carroll N*, **Dorsch MP**. Cost Implications of Providing Discharge Supplies of Antiplatelet Medication to PCI Patients. *Am J Manag Care*. 2011;17(12):803-810.
5. **Dorsch MP**, Gillespie BW, Erickson SR, Bleske BE, Weder AB. Chlorthalidone reduces cardiovascular events compared to hydrochlorothiazide: A retrospective cohort analysis. *Hypertension* 2011 Apr;57(4):689-94.
4. Nicolasora NP, Malani PN, Riddell J, **Dorsch MP**, Reaume KT*, Dyke DB, Pagani FD, Aaronson KD, Kaul DR. Opportunistic infections in heart transplant patients: The role of thymoglobulin and corticosteroid dosing. *Infect Dis Clin Pract* 2010; 18:318-23.
3. Booher AM, **Dorsch MP**, Gurm HS. Case report: the effect of proton pump inhibitor administration on hemodynamics in a cardiac intensive care unit. *Clin Cardiol* 2010; 33 (6): E111-3.
2. Reaume KT*, Erickson SR, **Dorsch MP**, Dunham NL, Hiniker SM, Prabhakar, N, Kline-Rogers EM, Eagle KA. Effects of cerivastatin withdrawal on statin persistence. *Ann Pharmacother* 2008; Jul;42(7):956-61.
1. **Dorsch MP**, Lee JS, Lynch DR, Dunn SP, Rodgers JE, Schwartz T, Colby E, Montague D, Smyth SS. Aspirin resistance in patients with stable coronary artery disease with and without a history of myocardial infarction. *Ann Pharmaother* 2007; 41: 737-41.

Peer-Reviewed Manuscripts – Reviews (* = for trainee)

27. Writing Committee Members, Kittleson MM, Breathett K, Ziaecian B, Aguilar D, Blumer V, Bozkurt B, Diekemper RL, **Dorsch MP**, Heidenreich PA, Jurgens CY, Khazanie P, Koromia GA, Van Spall HGC. 2024 update to the 2020 ACC/AHA Clinical Performance and Quality Measures for Adults With Heart Failure: A Report of the American Heart Association/American College of Cardiology Joint Committee on Performance Measures. *J Am Coll Cardiol*. 2024;84(12):1123-1143.
26. Kittleson MM, Breathett K, Ziaecian B, Aguilar D, Blumer V, Bozkurt B, Diekemper RL, **Dorsch MP**, Heidenreich PA, Jurgens CY, Khazanie P, Koromia GA, Van Spall HGC. 2024 update to the 2020 ACC/AHA Clinical Performance and Quality Measures for Adults With Heart Failure: A Report of the American Heart Association/American College of Cardiology Joint Committee on Performance Measures. *Circ Cardiovasc Qual Outcomes*. 2024 Sep;17(9):e000132.
25. James CA, **Dorsch MP**, Piette JD, Nallamotheu BK. Prescribing Mobile Health Applications. *Circ Cardiovasc Qual Outcomes*. 2024 Mar 25:e010654.
24. Azizi Z, Golbus JR, Spaulding EM, Hwang PH, Ciminelli ALA, Lacar K, Hernandez MF, Gilotra NA, Din N, Brant LCC, Au R, Beaton A, Nallamotheu BK, Longenecker CT, Martin SS, **Dorsch MP**, Sandhu AT. Challenge of Optimizing Medical Therapy in Heart Failure: Unlocking

the Potential of Digital Health and Patient Engagement. *J Am Heart Assoc*. 2024 Jan 16;13(2):e030952.

23. Krishnaswami A, Beavers C, **Dorsch MP**, Dodson JA, Masterson Creber R, Kitsiou S, Goyal P, Maurer MS, Wenger NK, Croy DS, Alexander KP, Batsis JS, Turakhia MP, Forman DE, Bernacki GM, Kirkpatrick JN, Orr NM, Peterson ED, Rich MW, Freeman AM, Bhavnani SP. Challenges and Opportunities Of Gerotechnology For The Prevention And Treatment Of Cardiovascular Disease In Older Adults. *J Am Coll Cardiol* 2020;76:2650-70.
22. Lester CA, Coe AB, **Dorsch MP**, Farris KB, Flynn AJ. A learning pharmacy practice enabled by the pharmacists' patient care process. *J Am Pharm Assoc* (2003). 2020, 60(6), pp. e66–e72. PMID: 32620363.
21. Haase J*, Farris KB, **Dorsch MP**. Mobile Applications to Improve Medication Adherence. *Telemed J E Health*. 2017 Feb;23(2):75-79.
20. Jimbo M, **Dorsch MP**, Ealovega MW, Harrison RV, Jamerson KA. Essential Hypertension. Ann Arbor, MI: Quality Department, University of Michigan Health System, 2014. [Available at <http://www.uofmhealth.org/provider/clinical-care-guidelines>] [practice guideline].
19. Walter CP*, Bleske BE, **Dorsch MP**. Pharmacotherapy for weight loss: the cardiovascular effects of the old and new agents. *J Clin Pharm Ther*. 2014 Oct;39(5):475-84.
18. Lose JM*, Bleske B, **Dorsch MP**. Evaluation of proprotein convertase subtilisin kexin type 9: focus on potential clinical and therapeutic implications for LDL cholesterol lowering. *Pharmacotherapy*. 2013 Apr;33(4):447-60.
17. Shuster JE*, Bleske BE, **Dorsch MP**. Clinical utility of azilsartan–chlorthalidone fixed combination in the management of hypertension. *Vascular Health and Risk Management* 2012. 8 (1): 381-7.
16. Barnes MM*, **Dorsch MP**, Hummel SL, Koelling TM, Bleske BE. Treatment of heart failure with preserved ejection fraction. *Pharmacotherapy* 2011; 31(3):312-31.
15. Nemerovski CW, **Dorsch MP**, Jennings DL. What Should We Be Fine Tuning in Acute Coronary Syndromes - Dosing of Antiplatelet Therapy or Data Presentation? *Ann Pharmacother* 2011; 45: 120-122.
14. Mohammad RA, Goldberg T, **Dorsch MP**, Cheng JWM. Antiplatelet Therapy After Drug-Eluting Stent Placement: A Narrative Review. *Clin Ther* 2010; 32 (14): 2265-81.
13. Momary KM, **Dorsch MP**. Factors associated with clopidogrel nonresponsiveness. *Future Cardiol* 2010; 6 (2):195-210.
12. Momary KM, **Dorsch MP**, Bates ER. Genetic causes of clopidogrel nonresponsiveness: which ones really count? *Pharmacotherapy* 2010; 30 (3):265-74.

11. Chow SL, **Dorsch MP**, Dunn SP, Jackevicius CA, Page RL, Trujillo T, Vardeny O, Wiggins B, Bleske BE. Key articles related to complementary and alternative medicine in cardiovascular disease: part 1. *Pharmacotherapy* 2010; 30 (1):109.
10. Jimbo M, Barrie WE, **Dorsch MP**, Harrison RV, Jamerson KA. Essential Hypertension. Ann Arbor, MI: Office of Clinical Affairs, University of Michigan Health System, 2009. [Available from the Agency for Healthcare Research and Quality at www.guideline.gov and from UMHS at www.med.umich.edu/1info/fhp/practiceguides] [practice guideline]
9. Nemerovski, CW*, **Dorsch MP**, Simpson RU, Bone HG, Aaronson K and Bleske BE. Vitamin D and Cardiovascular Disease. *Pharmacotherapy* 2009; 29 (6): 691–708.
8. Dunn SP, Bleske BE, **Dorsch MP**, Macaulay T, Van Tassell B, Vardeny O. Nutrition and Heart Failure: Impact of Drug Therapies and Management Strategies. *Nutr Clin Pract* 2009; 24: 60-75.
7. Matthews JC, Dardas TF, **Dorsch MP**, Aaronson KD. Right-sided heart failure: diagnosis and treatment strategies. *Curr Treat Options Cardiovasc Med* 2008; 10: 329-41.
6. Reaume KT*, Regal RE, **Dorsch MP**. Indications for dual antiplatelet therapy with aspirin and clopidogrel: evidence-based recommendations for use. *Ann Pharmacother* 2008; 42: 550-7.
5. Butler SO, **Dorsch MP**. Antifibrinolytic agents in coronary artery bypass graft surgery. UHC Drug Monograph, March 2007.
4. **Dorsch MP**, Rodgers JE. Nesiritide – Harmful or Harmless. *Pharmacotherapy* 2006; 26 (10): 1465-1478.
3. **Dorsch MP**, Dunn SP. Antiplatelet drug resistance: almost ready for prime time. *Pharmacotherapy* 2006; 26 (8): 1201-1202.
2. **Dorsch MP**, Montague D, Rodgers, JE, Patterson C. Abciximab-associated thrombocytopenia after previous tirofiban-related thrombocytopenia. *Pharmacotherapy* 2006; 26 (3): 423-427.
1. Denucci K, **Dorsch MP**, Sweeney M. Bringing knowledge to the community, *Ohio Pharmacist*, May 2003.

Peer-Reviewed Manuscripts – Invited Editorials

1. Dardas T, **Dorsch MP**. Remote management of heart failure: Herculean or Sisyphean task? *Heart*. 2020 Oct;106 (20):1543-1544.

Peer-Reviewed Book Chapters

1. **Dorsch MP**, Pogue KT. Newer Antithrombotic Agents and Their Role in Acute Coronary Syndrome. Pharmacy Self-Assessment Program. Book 1 Cardiology/Endocrinology. Release 2013.

Presentations

Summer 2024 **Career Advice for Pharmacists**

Heart Failure Society of America Mentoring Webinar

- Spring 2024 **Digital Health: Past, Present, and Future**
Ohio Pharmacists Association Annual Conference
- Winter 2024 **Patient-Centered Clinical Decision Support: A Tool for Virtual Care**
Institute for Health Policy and Innovation, Telehealth Research Network, UM
- Winter 2023 **Use of Technology to Improve Antihypertensive Adherence: Just a Distraction!**
American College of Cardiology Annual Meeting
- Winter 2023 **Role of Multidisciplinary Approach in the Management of Heart Failure**
Consultant360, Webinar
- Winter 2023 **Optimizing GDMT for HFrEF: Current Challenges & Opportunities for Digital Health Innovation**
Consultant360, Webinar
- Winter 2022 **Mobile technologies in research: My experience**
Clinical Trials Support Office, Medical School, University of Michigan
- Fall 2022 **Using AI to Optimize Patient Engagement in mHealth**
e-Health & Artificial Intelligence (e-HAIL), Medical School, University of Michigan
- Fall 2022 **Health fad turned medical monitoring device: applications for wearable technology in pharmacy practice**
American College of Clinical Pharmacy Global Conference
- Spring 2022 **Decision algorithms to support student learning about self-care therapeutics**
American Association of Colleges of Pharmacy, Self-care Therapeutics SIG
- Fall 2021 **Just-in-time adaptive interventions for sodium intake – LowSalt4Life**
Centre for Health Informatics, Digital Health Reading and Research Group, University of Manchester, Manchester, England
- Fall 2021 **Just-in-time adaptive interventions (JITAI) and Microrandomized trials (MRT) in mHealth**
American Heart Association, Quality of Care and Outcomes Research Annual Meeting
- Spring 2021 **Patient-centered Clinical Decision Support in Heart Failure**
4th National Taiwan University School of Pharmacy Research Day and International Conference, Taipei, Taiwan
- Winter 2021 **Mobile Technology and Wearables for Heart Failure Patient Management**
Heart Failure Society of America, Patient Podcast
- Spring 2019 **Patient-centered clinical decision support: A case for precision health**
Precision Health Initiative Conference, University of Michigan

- Spring 2018 **Heart Failure 101: The Pharmacists Role**
Michigan Pharmacists Transforming Care and Quality Meeting
- Winter 2017 **Mobile Health Technologies in Cardiovascular Disease**
Learning Health System Collaboratory, Medical School, University of Michigan
- Fall 2016 **Hyperkalemia: Implication for HF Management (Moderator)**
Heart Failure Society of America Annual Scientific Meeting
- Fall 2015 **Innovations in Practice Technology (Discussant)**
American College of Clinical Pharmacy Annual Meeting
- Fall 2015 **Clinical Reasoning Series: Heart Failure: Current and Emerging Management Strategies**
American College of Clinical Pharmacy Annual Meeting
- Fall 2015 **Reduction in Heart Failure Readmissions – Medication Reconciliation**
American College of Cardiology, Michigan Chapter Annual Meeting
- Spring 2014 **Integration of IPPE and APPE students into an inpatient service**
Michigan Pharmacists Association Annual Meeting
- Spring 2013 **Novel Anticoagulants and Antithrombotics: Atrial Fibrillation**
Society of Vascular Medicine Annual Meeting
- Fall 2012 **Using IT to Make Your Work as a Pharmacist More Efficient**
MSHP Annual Meeting
- Fall 2012 **Establishing a Role for New Oral Anticoagulants**
University of Michigan College of Pharmacy Annual Pharmacy Lectures
- Fall 2012 **To Replace Clopidogrel or Not? The Case for Clopidogrel Only**
American College of Clinical Pharmacy Annual Meeting
- Fall 2011 **Update on Hyponatremia**
American College of Clinical Pharmacy Cardiology PRN Business Meeting
- Fall 2011 **The Use of TheraDoc® in Research**
Grand Rounds, University of Michigan Department of Pharmacy
- Summer 2009 **Are Clopidogrel's Kinetics a Catastrophe?**
Grand Rounds, University of Michigan Department of Pharmacy
- Winter 2008 **Integrating Treatment Guidelines for ACS into Clinical Practice: Antiplatelet and Anticoagulant Therapies**
ASHP Midyear Meeting

- Spring 2008 **Meeting the Needs of Patients with Acute Severe Hypertension: Current Practices, Future Directions**
ASHP Annual Meeting
- Winter 2008 **Acute Cardiac Life Support – Case-Based Discussion**
Grand Rounds, University of Michigan Department of Pharmacy
- Fall 2007 **Comorbidities of Uncontrolled Hypertension: Reducing Risks and Burden**
American College of Clinical Pharmacy Annual Meeting and Webcast
- Spring 2007 **Debating Long-Term Antithrombotic Therapy-Interpreting Registries, Trials and Current Practice Patterns**
Academy of Managed Care Pharmacy Annual Meeting and Webcast
- Winter 2007 **A Review of the "New" Guidelines in the Management of Heart Failure**
University of Michigan Department of Pharmacy
- Fall 2006 **Pitfalls with Inpatient Cardiovascular Drug Therapies: From pharmacokinetics, dynamics and genomics to common myths in inpatient drug use**
Cardiovascular Medicine Grand Rounds, University of Michigan Cardiovascular Center
- Fall 2006 **Incorporating the Guidelines: Case Studies**
Cardiology PRN Pre-symposium, ACCP Annual Meeting
- Summer 2006 **Treatment of Acute Decompensated Heart Failure**
University of Michigan Cardiovascular Center, Symposium for Nurses
- Spring 2005 **An Update on the Management of Heart Failure**
UNC Hospitals, Department of Pharmacy
- Winter 2005 **Pharmacology of Ischemic Heart Disease**
University of North Carolina, School of Pharmacy
- Fall 2004 **The Vasopressin Receptor: A New Target in Heart Failure**
UNC Hospitals, Department of Pharmacy
- Fall 2004 **Pharmacokinetics and Drug Delivery**
University of North Carolina, School of Nursing
- Fall 2004 **Overview of Cardiovascular Medications: Implications for Dentists**
University of North Carolina, School of Dentistry
- Spring 2004 **Medications and the Older Adult**
Central Ohio Area Agency on Aging Annual Meeting
- Winter 2003 **Drug Information: What is Available?**
Riverside Methodist Hospital, Department of Pharmacy Services

- Fall 2003 **Argatroban: What a Nurse Needs to Know**
Riverside Methodist Hospital
- Spring 2003 **Heart Failure**
Ohio Northern University, Department of Pharmacy Practice
- Spring 2003 **Acute Heart Failure**
Ohio Northern University, Department of Pharmacy Practice

TEACHING

Undergraduate Courses

2020-Present Precision Health Elective – Digital Health (Teacher)

Doctor of Pharmacy Courses

- 2021-Present Health-System Pharmacy Practice (Course Coordinator and Teacher)
- 2021-Present Therapeutic Problem Solving (Teacher)
- 2018-2024 Medicinal Chemistry, Cardiology Capstone (Teacher)
- 2018 Evidence-Based Medicine
- 2016-2020 Therapeutic Problem Solving (Course Coordinator and Teacher)
- 2013-2015 PharmD Investigations (Course Coordinator)
- 2011-2015 Therapeutic Problem Solving (Teacher)
- 2011-2012 Principles of Research and Problem-Solving
- 2008-Present PharmD Investigations (Independent Study)
- 2007-Present Research (Independent Study)
- 2006-2011 Pathophysiology and Therapeutics (Teacher)

Doctor of Pharmacy, Experiential Education

- 2006-2018 Inpatient Cardiology P4 APPE (Primary or Secondary preceptor for 10-15 students/year)
- 2014-2018 Inpatient P3 IPPE (Primary or Secondary preceptor for 1-3 students/year)

Doctor of Philosophy in Clinical Pharmacy Translational Science Courses

- 2018-Present Pharmacy Informatics
- 2018-2020 Grant Writing, Part 2 (Co-coordinator)

Pharmacy Resident Research Series, Michigan Medicine

- 2009-2017 Statistical Power
- 2009-2017 Data Analysis

UM Division of Cardiovascular Medicine, Cardiology Fellowship

2009-2017 Antiadrenergic Agents in Chronic Heart Failure

PGY2 Cardiology Residency Program Director, Michigan Medicine

Kristen Pogue, PharmD (2007-2008); Carrie Nemerovski, PharmD (2008-2009); Megan Barnes, PharmD (2009-2010); Jennifer Lose, PharmD (2011-2012); Jerrica Shuster, PharmD (2011-2012); Claire Walter, PharmD (2012-2013); Brad Williams, PharmD (2013-2014); Denise Sutter, PharmD

(2014-2015); Bonnie Kaminsky, PharmD (2015-2016); Monique Conway, PharmD (2016-2017); Sarah Adie, PharmD (2017-2018)

Doctor of Philosophy in Clinical Pharmacy, College of Pharmacy, University of Michigan

Chinwe Eze, MS (2018-2023), Committee member
Shana Littleton, BS (2020-2025), Committee member
Yifan Zheng, PharmD (2022-Present), Committee member
Angel Edwards, BS (2024-Present), Advisor
Bayan Azizi, PharmD (2025-Present), Committee member

Post-Doctoral Research Fellowship, College of Pharmacy, University of Michigan

David Cordwin, PharmD (2020-2021), Director
Alessandra M. Campos-Staffico, PhD (2020-2023), Mentor
Mohamed Ali, PharmD, MPH (2024-Present), Director

Post-Doctoral Research Fellowship, WIRED-L Center, University of Michigan

Jessica Golbus, MD, MS (2021-2023), Mentor
Sonali Mishra, PhD (2022-2024), Mentor

Early Career Mentor, University of Michigan

Cornelius James, MD (2022-2025), NHLBI Diversity Supplement Mentor

SERVICE

Professional Service - Local

University of Michigan

2024-Present Panel Representative, Faculty Grievance Hearing Board

University of Michigan College of Pharmacy

2022-Present Dean's Executive Committee
2021-2022 Search Committee, Anti-Racism Tenure Track Position
2020-Present Academic Integrity Task Force Committee
2019-2020 Search Committee, Tenure Track Position
2018-Present Founding Member, Pharmacy INformatics Group (PING)
2018-2020 Member, ExamSoft Implementation Team (ExSIT)
2017-2020 Member, Therapeutics Problem-Solving Course Coordinators
2015-2016 Search Committee, Tenure Track Position
2013-2014 Chair, PharmD Investigations Steering Committee
2013-2015 Chair, PharmD Investigations Committee
2010-2011 Member, Evidence-Based Medicine Subcommittee, Curriculum Committee
2008-2018 Member, Residency Advisory Committee

University of Michigan Institute for Health Policy and Innovation

2025-Present Telehealth Research Advisory Group

Michigan Clinical Outcomes Research and Reporting Program (MCORRP)

2022-Present Steering Committee, OVERCOME HF Registry

University of Michigan Hospitals and Health System

- 2015-2018 Member, Anticoagulation Subcommittee, Pharmacy and Therapeutics Committee
- 2010-2015 Co-chair, Anticoagulation Subcommittee, Pharmacy and Therapeutics Committee
- 2011-2017 Member, Pharmacy Practice Model Steering Committee
- 2009-2010 Secretary, Anticoagulation Subcommittee, Pharmacy and Therapeutics Committee

Professional Service - National

Professional Organizations

- 2023-2024 **Digital Medicine Society (DIME)**
 - Integrated Evidence Plans for Digital Health Products (2024)
- 2016-Present **American College of Cardiology**
- 2007-2014 **National Lipid Association**
- 2005-Present **American Heart Association**
 - ACC/AHA Task Force on Performance Measures (2021-Present)
- 2004-Present **American College of Clinical Pharmacy**
 - Cardiology PRN
 - Committee Chair for Young Investigator Research Presentations (2006-2011)
 - Member Relations Ad Hoc Committee on Volunteer Recognition (2010-2012)
 - PBRN Community Advisory Panel, ACCP Research Institute (2016-2018)
 - University of Michigan Faculty Liaison (2019-Present)

Other Organizations

- 2024-2025 **Michigan Health Information Network (MiHIN)**
 - Advanced Statewide Medication Reconciliation (2024)

Certificates, Honors, and Awards

- 2024 **Top 15 Federally Funded Principal Investigator Among Schools of Pharmacy**
NIH RePORTER
- 2023 **Top 20 Federally Funded Principal Investigator Among Schools of Pharmacy**
NIH RePORTER
- 2023 **Top Ten Original Research Articles of 2023**
JACC: Advances Editorial Board
- 2022 **Top 15 Federally Funded Principal Investigator Among Schools of Pharmacy**
NIH RePORTER
- 2022 **Fellow, American College of Cardiology (FACC)**
American College of Cardiology
- 2021 **Top 50 Federally Funded Researcher Among Schools of Pharmacy**
NIH RePORTER
- 2019 **Mentoring Award**
American College of Clinical Pharmacy, Cardiology Practice and Research Network

- 2018-2025 **Board-Certified Cardiology Pharmacist (BCCP)**
Board of Pharmaceutical Specialties
- 2016 **Fellow, American Heart Association (FAHA)**
American Heart Association, Council on Quality of Care and Outcomes Research
- 2016 **Professional Practice Award**
Michigan Society of Health-System Pharmacists
- 2016 **Member, Institute for Health Policy and Innovation**
University of Michigan
- 2015 **Fellow, American College of Clinical Pharmacy (FCCP)**
American College of Clinical Pharmacy Annual Meeting
- 2015 **Essential Skills for Successful Leadership**
University of Michigan Medical School
- 2012 **Top Paper Award for Population Science in 2011**
Hypertension, 66th Annual Meeting of the American Heart Association Council for High Blood Pressure Research Conference
- 2012 **Role Delineation Study Member, Cardiology Specialty**
Board of Pharmacy Specialties
- 2011 **Making A Difference Award**
University of Michigan Hospitals and Health Centers
- 2011 **Teaching Recognition Award – P3 class**
Phi Delta Chi, University of Michigan, College of Pharmacy
- 2008 **Teaching Recognition Award – P3 class**
Phi Delta Chi, University of Michigan, College of Pharmacy
- 2007-2018 **Added Qualifications in Cardiology**
Board of Pharmaceutical Specialties
- 2005, 2006 **You're Super Award**
University of Michigan Hospitals and Health Centers
- 2004-2018 **Board-Certified Pharmacotherapy Specialist**
Board of Pharmaceutical Specialties
- 2003 **Student Service and Leadership Award**
Council of Ohio Colleges of Pharmacy
- 2002 **APhA-ASP Senior Recognition Award**

Ohio Northern University

2001 **ONU Pharmacy Faculty Award**
Ohio Northern University

Reviewer/Editor

Manuscript Referee

American Journal of Cardiovascular Drugs
Annals of Internal Medicine
Circulation
Circulation: Heart Failure
Circulation: Cardiovascular Quality and Outcomes
European Society of Cardiology: Heart Failure
Expert Review of Cardiovascular Therapy
Future Cardiology
Future Medicine
Journal of the American Medical Association
Journal of the American College of Clinical Pharmacy
Journal of Cardiac Failure
Journal of Clinical Pharmacology
Journal of Medical Internet Research (JMIR)
JMIR Cardio
JMIR Protocols
JMIR mHealth uHealth
Journal of Pharmacy Practice
Journal of Telemedicine and Telecare
Journal of the American Heart Association
Pharmacotherapy
Telemedicine and e-Health
The American Journal of Cardiology
The Lancet
Therapeutic Delivery
Thrombosis Research

Abstract Reviewer

American College of Cardiology Annual Meeting 2026
American College of Cardiology Annual Meeting 2025
American College of Cardiology Annual Meeting 2024
American College of Cardiology Annual Meeting 2023

Guest Editor

PLOS Digital Health

Section Editor

JMIR mHealth uHealth

Book/Book Chapter Review

Cardiovascular Pharmacotherapy: A Point-of-care Guide
Updates in Therapeutics: The Pharmacotherapy Preparatory Course, 2009 Edition
Pharmacy Self-Assessment Program – Cardiology 2009
Pharmacy Self-Assessment Program – Economics and Patient-Centered Outcomes Assessment 2014

Grant Reviewer

2025 Ad Hoc Reviewer, NHLBI P01 grant, NIH
2024 Ad Hoc Reviewer, NHLBI P01 grant, NIH
2023 Ad Hoc Reviewer, Patient-Centered Outcomes Research Institute (PCORI)

Honorary Affiliations

2002-2003 **Omicron Delta Kappa** – National Leadership Honor Society
Ohio Northern University

2001-2003 **Phi Lambda Sigma** – National Pharmacy Leadership Honor Society
College of Pharmacy, Ohio Northern University

Updated: 1/26