

Pilar Z. Murphy, PharmD, MPH, BCACP
11701 Veronica Road • North Little Rock, Arkansas 72118
pzmurphy@uams.edu

PROFESSIONAL EXPERIENCE

- 2021-present Clinical Associate Professor of Pharmacy Practice
University of Arkansas for Medical Sciences (UAMS) College of Pharmacy
Assistant Professor, Family & Preventive Medicine, UAMS College of Medicine
Little Rock, Arkansas
Practice Site: UAMS Family Medical Center
- 2017-2021 Clinical Associate Professor of Pharmacy Practice
Samford University McWhorter School of Pharmacy (MSOP)
Birmingham, Alabama
Practice Site: Perry County Health Department/Sowing Seeds of Hope (SSOH)
- 2012-2017 Clinical Assistant Professor of Pharmacy Practice
Samford University McWhorter School of Pharmacy (MSOP)
Birmingham, Alabama
Practice Site: Perry County Health Department/Sowing Seeds of Hope (SSOH)
- Nov 2015 Relief Pharmacist (March 2011-November 2015)
Fred's Pharmacy
Demopolis, Alabama
- May 2009 Pharmacy Intern (May 2008-May 2009)
PharMerica Pharmacy
North Little Rock, Arkansas
- May 2008 Pharmacy Intern (May 2007-May 2008)
Walgreen's Pharmacy
Little Rock, Arkansas

EDUCATION

- May 2020 Master of Public Health
Samford University School of Public Health
Birmingham, Alabama
- June 2019 Samford University Faculty Fellow for Community Engaged Teaching
Mann Center for Ethics & Leadership
Birmingham, Alabama
- May 2010 Doctor of Pharmacy
University of Arkansas for Medical Sciences College of Pharmacy
Little Rock, Arkansas
- Dec 1999 Bachelor of Science in Environmental Science
University of Oklahoma College of Engineering
Norman, Oklahoma

[Type here]

POSTGRADUATE TRAINING

- June 2012 Psychiatric Pharmacotherapy Residency,
American Society of Health-System Pharmacists (ASHP) Accredited
Veteran's Administration Medical Center; Tuscaloosa, Alabama
Residency Director: June Griffin, PharmD, BCPP
- June 2011 Pharmacy Practice Residency, ASHP Accredited
Samford University McWhorter School of Pharmacy; Birmingham, Alabama
Rural Practice Site: Perry County Health Department
Residency Director: Roger Lander, PharmD, FASHP, FCCP, BCACP

ADDITIONAL WORK EXPERIENCE

- 2005-2006 **North Little Rock High School**—*Physical Science Teacher*
- 2000-2005 **Rose City Middle School**—*Science Department Chairperson*
- 1995-1997 **Arkansas Department of Health**—*Engineering Technician (summer intern)*
- 1993-1997 **University of Oklahoma**—*Engineering Programs Recruiting Assistant*

LICENSURE & CERTIFICATIONS

- 2010-present Arkansas Pharmacist (PD11331)
- 2010-present Alabama Pharmacist (16644)
- 2017-present Alabama Consultant Certification
- 2014-present Board Certification in Ambulatory Care by the Board of Pharmacy Specialties
- 2014 American Pharmacist Association (APhA) Pharmacist & Patient-Centered Diabetes Care Certification (authorized to deliver continuing education)
- 2013-present Alabama Preceptor Certification
- 2012 APhA Medication Therapy Management Delivery Certification
- 2012 APhA Pharmacy-Based Immunization Delivery Certification
- 2011 Samford University McWhorter School of Pharmacy Teaching Certification
- 2010-present American Heart Association Basic Life Support

DIDACTIC TEACHING AT UAMS COLLEGE OF PHARMACY

PHPR 7103 Career Orientation and Communications

P1 Small Group Facilitator (5 hours) Fall 2021

Therapeutics III

Pediatrics & ADHD (4 hours) Spring 2022 (anticipated)

DIDACTIC TEACHING AT MCWHORTER SCHOOL OF PHARMACY

Complementary & Alternative Medications:

Generalized Anxiety Disorder (1 hour) Spring 2012

Ethics in Christianity & Health Care:

Citizenship & Vaccinations (1 hour) Spring 2020, 2021

Fairness & Patient Assistance Programs (1 hour)	Spring 2020, 2021
<i><u>Patient Self-Care & Monitoring I:</u></i>	
Anorectal Disorders & Gas (1 hour)	Spring 2013-2018, 2020-2021
Boils (1 hour)	Fall 2014
Essential Nutrients (2 hours)	Spring 2013-2021
Gastroesophageal Reflux Disease (2 hours)	Spring 2017-2021
Infant Nutrition (1 hour)	Spring 2013
Musculoskeletal Injury & Pain (2 hours)	Spring 2013, Fall 2019-2020
Ophthalmic & Otic Disorders (1 hour)	Spring 2013
Overweight & Obesity (2 hours)	Spring 2013-2021
Wounds (2 hours)	Spring 2013
<i><u>Patient Self-Care & Monitoring II:</u></i>	
Dermatitis (2 hours)	Fall 2018-2020
Fungal Infections (1 hour)	Fall 2019-2020
Hair Loss (1 hour)	Fall 2013, 2015
Dermatomycoses (1 hour)	Fall 2012, 2013, 2019-2020
Sunburn (2 hours)	Fall 2012-2014
Warts (1 hour)	Fall 2010, 2013, 2014, 2019-2020
<i><u>Pharmacy Camp:</u></i>	
Diabetes (1 hour)	Summer 2013, 2014
Medical Missions (1 hour)	Summer 2016, 2017
<i><u>Pharmacotherapy I:</u></i>	
Hypertension (6.5 hours)	Fall 2014-2020
Lipids (5.5 hours)	Fall 2019
<i><u>Pharmacotherapy III</u></i>	
Rheumatoid Arthritis (2 hours)	Spring 2011
<i><u>Pharmacotherapy IV:</u></i>	
Hepatitis C (1.5 hours)	Spring 2015-2020
<i><u>Population Health:</u></i>	
Health Choices in Rural Perry County (1 hour)	Spring 2011
<i><u>Residency Seminar:</u></i>	
Community Needs Assessment (1 hour)	Spring 2014, 2015, 2016
<i><u>SNPhA Clinical Crash Course:</u></i>	
Blood Pressure, Glucose, & Cholesterol monitoring	Fall 2015, 2017-2019

RESEARCH EXPERIENCE

“Number of Patients Utilizing Cardiovascular Risk Reduction Clinic Meeting Both JNC 8 and AHA/ACC Blood Pressure Goals”

- Retrospective chart review to determine if patients are meeting guideline directed blood pressure goals and to evaluate if medication therapy was appropriate
- Co-Investigator, May-December 2018

“Implementation of Check-Change-Control Program in Perry County, Alabama”

- Retrospective chart review to determine if pharmacist intervention through a Check-Change-Control home blood pressure monitoring program improved blood pressure measurements in patients with hypertension
- Co-Investigator, May-December 2018

“Impact of Pharmacist-led Clinical Screenings in a Rural Workplace Setting”

- Retrospective chart review to detect a clinically significant difference in reduction in cardiovascular risk factors in patients participating in a 3-month pilot program with the employees of the Perry County Department of Transportation
- Primary Investigator, May—August 2016

“Evaluation of the Maintenance of Cognitive Function in Patients Prescribed Acetylcholinesterase Inhibitors at Tuscaloosa VA Medical Center”

- Retrospective chart review to evaluate the rate of decline in cognitive function among patients prescribed acetylcholinesterase inhibitors at the TVAMC
- Primary Investigator, October 2011—June 2012

“Effectiveness of Hypertension and Diabetes Clinics in Perry County”

- Retrospective chart review to detect a clinically significant difference in reduction of cardiovascular risk factors among patients in Perry County, Alabama
- Primary Investigator, September 2010—May 2011

PEER REVIEWED PUBLICATIONS

Murphy PZ, Thomas J, McClelland TP. Pain Management of Budd Chiari Syndrome in the Primary Care Setting: A Case Study. *Innovations in Pharmacy*. 2021; 12(9):1-4. DOI: <https://doi.org/10.24926/iip.v12i2.3906>.

Paschal AM, Mitchell JB, Burton WM, Nickelson J, **Murphy PZ**, Ford F. Using Community-Based Participatory Research to Explore Food Insecurity in African American Adults. *American Journal of Health Education*. 2020 April. DOI: 10.1080/19325037.2020.1744491. (Original Research)

Hicks E, **Murphy PZ**. Transdermal Methimazole for Feline Hyperthyroidism. *Open Acc J of Toxicol*. 2019 August; 4(1): 555630. 006 DOI: 10.19080/OAJT.2019.04.555630.

Billingsley A, **Murphy PZ**. Safe and Effective Dosing of Over-The-Counter Melatonin use for Sleep Disturbances in Children with Autism: A Literature Review. *Open Access Journal of Toxicology*. 2019 February; 3(5): 555624. DOI: 10.19080/OAJT.2018.03.555624.

Mitchell JB, Paschal AM, Parmelee PA, **Murphy PZ**. LIVE: A Community-based Intervention to Reduce CVD Risk Factors in Rural Community-dwelling African Americans. *American Journal of Health Education*. 2018 July;49(5):326-334. DOI: 10.1080/19325037.2018.1486757. (Original Research)

Murphy PZ, Iranikhah M, Deas CM, Freeman MK. Fracture Risk Following Discontinuation of Teriparatide: A Review of the Literature. *The Consultant Pharmacist*. 2018 July; 33(7):365-375. DOI: <https://doi.org/10.4140/TCP.n.2018.365>.

Iranikhah M, Deas C, **Murphy P**, Freeman MK. Effects of Denosumab After Treatment Discontinuation: A Review of the Literature. *The Consultant Pharmacist*. 2018;33(3):142-151. DOI:10.4140/tcp.n.2018.142.

Deas CM, **Murphy P**, Iranikhah M, Freeman MK. Retained Skeletal Effects of Zoledronic Acid Following Discontinuation of Treatment: A Review of the Literature. *Consult Pharm*. 2017 Mar 1;32(3):144-155. DOI: 10.4140/TCP.n.2017.144.

Murphy PZ, Sands C, and Ford F. Effectiveness of a pharmacist-led cardiovascular risk reduction clinic in rural Perry County, Alabama. *International Journal of Chronic Diseases*. 2016; 2016: 6 pages. DOI:10.1155/2016/4304761. (Original Research)

Freeman MK, **Murphy PZ**. Adverse effects and Drug Interactions Associated with Inhaled Recreational and Medical Marijuana. *Inov Pharm*. 2016;7(2): Article 6. <http://pubs.lib.umn.edu/innovations/vol7/iss2/6>.

Murphy PZ, Vinson E. Is levalbuterol superior to racemic albuterol for treating acute childhood asthma? *Family Physicians Inquiries Evidence Based Practice*. 2010; 13(11):11-12.

ADDITIONAL PUBLICATIONS

Adunlin G, **Murphy PZ**, Manis M. COVID-19: How Can Rural Community Pharmacies Respond to the Outbreak? *The Journal of Rural Health*. 2020 April 11. DOI:10.1111/jrh.12439.

PODIUM PRESENTATIONS

- | | |
|----------------|--|
| July 2020 | “Addressing the COVID-19 Crisis” at APhA Open Forum Webinar Series for Pharmacists; webinar |
| April 2018 | “Impact of Pharmacist-led Clinical Screenings in a Rural Workplace Setting” at Xavier University 11 th Health Disparities Conference; New Orleans, LA |
| November 2015 | “Hypertension and Diabetes Drug Update” at Alabama Department of Public Health (ADPH) Obesity & Diabetes Conference; Montgomery, AL |
| May 2015 | “Diabetes and Exercise” at Greene County Physicians’ Diabetes Education Workshop; Eutaw, AL |
| December 2013 | “Check, Change, Control in Perry County, Alabama” at Association of State & Territorial Health Officials Meeting; Washington, DC |
| December 2013 | “Diabetes Medications Overview” at Dallas County Diabetes Symposium; Selma, AL |
| June 2013 | “Perry County, Alabama: Initiatives to Fight Health Disparities” at Association of Health Care Journalists Annual Meeting; Birmingham, AL |
| March 2013 | “Effectiveness of a Cardiovascular Risk Reduction Clinic” at Xavier University Health Disparities Conference; New Orleans, LA |
| February 2013 | “Cardiovascular Risk Reduction Clinic in Perry County, Alabama” at American Heart Association Million Hearts Satellite Conference; Montgomery, AL |
| September 2012 | “Diabetes and Cardiovascular Disease” at ADPH Diabetes Network Conference; Montgomery, AL |
| June 2011 | “Empowering Communities in Perry County, Alabama” at University of Tennessee Consortium for Health Education Conference; Knoxville, TN |

- April 2011 “Effectiveness of Hypertension and Diabetes Clinics in Perry County” at Southeastern Residency Conference; Athens, GA
- October 2010 “Proper Use of Medications Related to Stroke” at University of Alabama at Birmingham Hospital Bold Strokes Conference; Birmingham, AL
- September 2010 “Diabetes Medications Overview” at Dallas County Diabetes Symposium; Selma, AL
- September 2010 “Partnering for Care in Perry County” at University of Alabama Rural Health Conference; Tuscaloosa, AL

CONTINUING EDUCATION (CE) PRESENTATIONS

- October 2021 “Diabetes and Cardiovascular Disease”
2021 UAMS Virtual Family Medicine Update
- December 2020 “New Drug Options for the Outpatient Setting 2020”
Samford University McWhorter School of Pharmacy; virtual
- March 2020 “Health Literacy: Two Way Communication”
VIVA Health; Birmingham, AL
- December 2019 “Plug into new drugs: New options for the outpatient setting”
Samford University McWhorter School of Pharmacy; Birmingham, AL
- December 2018 “Plug into new drugs: New options for the outpatient setting”
Samford University McWhorter School of Pharmacy; Birmingham, AL
- April 2017 “Cardiovascular Disease and Management of Comorbidities in Diabetes”
Alabama Primary Health Care Association Clinical Summit; Montgomery, AL
- November 2015 “Diabetes and Hypertension Drug Update”
ADPH Obesity & Diabetes Conference; Montgomery, AL
- November 2015 “An Educational Review of the Signs, Symptoms, and Primary Treatment of Anaphylaxis”
Samford University McWhorter School of Pharmacy; Birmingham, AL
- May 2015 “Hypertension and Cholesterol Update”
Samford University McWhorter School of Pharmacy; Birmingham, AL
- March 2015 “APhA Delivering Medication Therapy Management Services”
Samford University McWhorter School of Pharmacy; Birmingham, AL
- October 2014 “Geriatric Anxiety” (Consultant CE)
Samford University McWhorter School of Pharmacy; Birmingham, AL
- December 2012 “Lipid Update: Recent Issues Related to Dyslipidemia”
Samford University McWhorter School of Pharmacy; Birmingham, AL
- September 2011 “Mental Health 101: Psychotropic Medications Update”
Tuscaloosa Veteran’s Administration Medical Center; Tuscaloosa, AL

POSTER PRESENTATIONS

- November 2019 “Pharmacy & Social Work Joint Service Learning in Tanzania”
Global Service Learning (GSL) Summit; Clemson, SC
- July 2019 “Learning Through Immersive Global Healthcare Experiences”
American Association of Colleges of Pharmacy (AACCP) Annual Meeting;
Chicago, IL
- April 2018 “Impact of Pharmacist-led Clinical Screenings in a Rural Workplace Setting”
Xavier University Health Disparities Conference; New Orleans, LA
- June 2017 “International medical mission trips as an interprofessional learning experience”
Alabama Society of Health System Pharmacists (ALSHP) Summer Meeting
Destin, FL
- July 2016 “Transforming lives through the Remember the Ribbon Initiative”
National Pharmaceutical Association/SNPhA Annual Meeting; Atlanta, GA
- June 2016 “An Educational Review of the Signs, Symptoms, and Primary Treatment of
Anaphylaxis”
ALSHP Summer Meeting; Mobile, AL
- October 2015 “Improving Pharmacy Services Through Short-Term International Missions”
American College of Clinical Pharmacy (ACCP) Global Conference on Clinical
Pharmacy; San Francisco, CA
- March 2014 “Student Reflections: Rural Interdisciplinary Healthcare Education”
Xavier University Health Disparities Conference; New Orleans, LA
- March 2013 “Interdisciplinary Education in a Pharmacist-Enabled Rural Health Clinic” at
Xavier University Health Disparities Conference; New Orleans, LA
- April 2012 “Anticholinergic Burden in Veterans Concomitantly Prescribed
Acetylcholinesterase Inhibitors”
College of Psychiatric & Neurologic Pharmacists Annual Meeting; Tampa, FL
- December 2011 “Maintenance of Cognitive Function in Patients Prescribed Acetylcholinesterase
Inhibitors at Tuscaloosa VA Medical Center”
ASHP Midyear Clinical Meeting; New Orleans, LA
- December 2010 “Effectiveness of Hypertension and Diabetes Clinics in Perry County”
ASHP Midyear Clinical Meeting; Anaheim, CA

AWARDED GRANTS

December 2018

- Intramural grant funded through the Hull Fund for Christian Scholarship (\$4500)
 - Grant awarded to assist with establishing team-taught study abroad courses in Tanzania

May 2017

- Extramural Medical Assistance Grant funded through the Holy Name of Jesus Trust (\$5000)
 - Grant awarded to assist with medications, laboratory fees, physician appointments, and transportation assistance for patients utilizing the Cardiovascular Risk Reduction Clinic

March 2015

- Intramural Samford University Faculty Development Grant funded through the Provost's Office (\$3985)
 - Grant awarded to fund a pilot program to conduct health screenings, including point-of-care testing of hemoglobin A1c and cholesterol, for employees of the Perry County Department of Transportation

December 2014

- Extramural Medical Assistance Grant funded through the Holy Name of Jesus Trust (\$5000)
 - Grant awarded to assist with medications, laboratory fees, physician appointments, and transportation assistance for patients of Perry County utilizing the Cardiovascular Risk Reduction Clinic

UAMS SCHOOL AND UNIVERSITY SERVICE

2021-present	UAMS Student National Pharmaceutical Association (SNPhA) co-advisor
2021-present	UAMS PGY-2 Ambulatory Care Residency Preceptor
2021	Peer Review of Assistant Professor K. Boehmer
2021	Synergy Saturday Preceptor

McWhorter School of Pharmacy SCHOOL AND UNIVERSITY SERVICE

2020-2021	MSOP Student Affairs Committee
Spring 2020	MSOP Ambulatory Care Collaborative Committee
2015-2021	MSOP Elections Committee Representative (University, elected)
Spring 2015	MSOP Practice Department Search Committee
2014-2020	MSOP Admissions Committee Member & Core Interviewer
2014-2018	MSOP Medical Missions Study Abroad volunteer
2012-2021	MSOP/Sowing Seeds of Hope Diabetes Support Group Co-Coordinator
2012-2021	Student National Pharmaceutical Association Co-Advisor

PROFESSIONAL SERVICE

2021-present	ACCP Task Force on Diversity, Equity, and Inclusion Member
2021-present	ACCP On Demand Curriculum Vitae Service Reviewer
2021-present	ACCP On Demand Letter of Intent Service Reviewer
2021-present	ACCP Travel Award Reviewer
2019-2021	Alabama Health Literacy Initiative Advisory Board
2019-2021	ALSHP Advocacy Task Force Committee
2016-2017	ALSHP Professional and Public Relations Committee
2015-2016	ALSHP Performance Improvement/Med Safety Committee
2015-2016	Alabama Medicaid Pharmacy and Therapeutics Committee Member
2015-2016	AACP Communications Committee

PROFESSIONAL MEMBERSHIPS

2018-present	American College of Clinical Pharmacy (ACCP)
2014-2018	American Association of Colleges of Pharmacy (AACP)
2013-2019	Alabama Pharmacy Association
2013-2021	Alabama Society of Health-System Pharmacists
2013-2015	National Pharmaceutical Association
2012-2016	American Pharmacists Association
2012-2021	Alabama Diabetes Network
2010-2015	Arkansas Pharmacists Association
2010-present	UAMS College of Pharmacy Alumni Association
2010-2021	American Association of University Women-Marion Chapter
2011-2012	College of Psychiatric & Neurologic Pharmacists
2010-present	American Society of Health Systems Pharmacists
2008-present	Phi Lambda Sigma Leadership Fraternity Member

HONORS AND AWARDS

2021	UAMS College of Medicine November Accolades “Putting Patients First”
2021	UAMS Faculty Spotlight
2020	Pharmacy Today Magazine’s September Provider Status Profile
2013	Featured on August 2013 cover of Pharmacy Today Magazine
2011	McWhorter School of Pharmacy Teacher of the Year Nominee
2009	Lilly-Phi Lambda Sigma Leadership Award
2009	Student National Pharmaceutical Association Student of the Year Award
2009	UAMS Academy of Student Pharmacists P3 Student of the Year
2009	UAMS Weaver Gilbert, Sr. Memorial Scholarship
2007-2010	UAMS College of Pharmacy Scholarship
2007-2009	UAMS-ASP Patient Counseling Top 10 Finalist
2007-2008	National Pharmacists Association of Arkansas Scholarship

ACTIVITIES/LEADERSHIP

2021-present	ACCP Diversity, Equity, Inclusion Task Force Member
2021-present	ACCP On Demand Curriculum Vitae Service Reviewer
2021-present	ACCP On Demand Letter of Intent Service Reviewer
2020-2021	Sowing Seeds of Hope Board Member
2019-2021	Berean Baptist Head Start Parent Committee Treasurer
2019-2021	Berean Baptist Head Start Policy Council Secretary
2019-2021	Berean Baptist Head Start School Readiness Parent Representative
2018-2021	Zeta Phi Beta, Sorority, Inc. Gamma Eta Zeta Chapter Secretary
2012-2021	ProveWell Baptist Church Levitical Choir and Youth Choir Director
2012-2021	ProveWell Baptist Church Foreign Missions Coordinator
2010-2015	Perry County Stop Childhood Obesity Parade Coordinator
2010-2021	Berean Baptist Head Start Health Advisory Member