

**Holly D. Maples, Pharm.D.**  
**January 2022**  
**CURRICULUM VITAE**

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**PERSONAL INFORMATION**

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UAMS College of Pharmacy  
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**EDUCATION**

**Pediatric Pharmacology Fellowship**  
July 2001 to July 2003

**University of Arkansas for Medical Sciences**  
**College of Pharmacy &**  
**Arkansas Children's Hospital**  
Little Rock, Arkansas  
Director: Cindy D. Stowe, Pharm.D.

**General Practice Residency**  
(ASHP Accredited)  
July 2000 to June 2001

**Spectrum Health & DeVos Children's Hospital**  
Grand Rapids, Michigan  
Director: Jaci DeYoung, Pharm.D.  
Advisor: Michael Bouthillier, Pharm.D.

**Doctor of Pharmacy**  
September 1994 to May 2000

**Ohio Northern University**  
Ada, Ohio

**ACADEMIC APPOINTMENTS**

**College of Pharmacy**

**Distinguished Chair**  
November 2021 to present

**Jeff and Kathy Lewis Sanders**  
**Distinguished Chair in Pediatric Pharmacy**  
UAMS College of Pharmacy

**Endowed Chair**  
November 2011 to November 2021

**Jeff and Kathy Lewis Sanders College of**  
**Pharmacy Chair in Pediatrics**  
UAMS College of Pharmacy

**Associate Professor**  
July 2011 to present

**University of Arkansas for Medical Sciences**  
Department of Pharmacy Practice  
Little Rock, Arkansas

**Assistant Professor**  
July 2003 to July 2011

**University of Arkansas for Medical Sciences**  
Department of Pharmacy Practice  
Little Rock, Arkansas

**Instructor**  
July 2001 to July 2003

**University of Arkansas for Medical Sciences**  
Department of Pharmacy Practice  
Little Rock, Arkansas

## **ACADEMIC APPOINTMENTS (cont)**

### **Adjunct Faculty**

July 2000 to June 2001

### **Ferris State University**

College of Pharmacy  
Big Rapids, Michigan

### **College of Medicine**

#### **Assistant Professor**

July 2003 to present

### **University of Arkansas for Medical Sciences**

Department of Pediatrics  
Little Rock, Arkansas

## **PROFESSIONAL EXPERIENCE**

### **Arkansas Children's**

#### **Affiliated Health Professional Staff**

October 17, 2003 to present

Affiliated Health Staff Privileges

#### **Clinical Pharmacist Services**

January 2009-July 2010

In-patient Renal Transplant

2007-present

Antimicrobial Stewardship

2003-present

In-patient Cystic Fibrosis

2003-2019

Therapeutic Drug Monitoring Service

2003-2015

Infectious Disease/HIV Clinic Pharmacist

#### **Director**

November 2007 - present

Antimicrobial Stewardship Program

#### **Director**

July 2015- 2021

Pediatric Infectious Diseases and Antimicrobial  
Stewardship Fellowship

July 2010 - 2015

PGY-2 Pediatric Infectious Disease/Antimicrobial  
Stewardship Residency Program

July 2006 - 2013

PGY-1 Pediatric Pharmacy Practice Residency Program

### **Other Experiences**

#### **Pharmacy Extern**

1999 (summer)

#### **Dayton Children's Hospital**

Dayton, OH

#### **Pharmacy Extern**

1999 (summer)

#### **Wal-Mart**

Findlay, OH

#### **Pharmacy Intern**

1995-1998

#### **Reid Hospital and Healthcare**

Richmond, IN

## TEACHING

### College of Pharmacy: Current Participation

2020-present	<b>Course Coordinator, PPHR 7205, Clinical Pharmacokinetics</b> Spring (2 credit hours)
2019-present	<b>Lecturer, PHSC 7202 Pharmacology II.</b> Spring (5 hours)
2017-present	<b>Course Coordinator and Facilitator, PPHR 7366 Infectious Diseases Pharmacotherapy [elective].</b> Fall (2 credit hours)
2016-present	<b>Preceptor and Coordinator, PPHR 7150 Special Problems in Clinical Research [elective] (2 credit hours)</b>
2005-present	<b>Small Group Facilitator, PPHR 3423 Pharmacy Practice /PHPR3422 Career Orientation and Communications.</b>
2005-present	<b>Lecturer, PPHR 5635 Therapeutics II.</b> Fall 2020-present (8 hours), 2018-2019 (13 hours), 2014-17 (9 hours), 2008-2013 (8 hours), 2007 (6 hours), 2005-2006 (4 hours).
2004-present	<b>Lecturer, PPHR 7205/PHSCI 4642 Clinical Pharmacokinetics/PHSCI 4445/PHSC 7206 Pharmacokinetics.</b> Spring 2021 (20 hours), including 4 TBL's Spring 2020 (25 hours), including 2 TBL's on PK and Special Populations Spring 2016-2019 (11 hours), including 2 TBLs on PK and Special Populations Spring 2015 (10 hours), including TBL on PK Spring 2013 & 2014 (7 hours), including TBL on PK Spring 2012 (6 hours) Spring 2009-2011, Fall 2007-2008, 2004-2005 (1 hour).
2002-present	<b>Preceptor, APPE-DPC Acute Care Advance Pharmacy Practice 4 Week Experience, Pediatrics.</b> Academic year 2021-2022 (9 students) 2020-2021 (15 students), 2019-2020 (12 students) 2014-2019 (10 students) 2013-2014 (8 students), 2012-2013 (8 students), 2011-2012 (10 students), 2010-2011 (10 students), 2009-2010 (7 students), 2008-2009 (8 students), 2007-2008 (8 students), 2006-2007 (6 students), 2005-2006 (6 students), 2004-2005 (6 students), 2003-2004 (2 students), 2002-2003 (4 students), 2001-2002 (4 students)

### Colleges of Pharmacy: Previous Participation

2020	<b>Course Coordinator, PPHR 7364 Special Problems Academic [elective] (2 credit hours)</b> Spring 2020-3 students
2017-2021	<b>Preceptor and Coordinator, PPHR 7150 Special Problems in Clinical Practice [elective] (2 credit hours)</b>
2012-2019	<b>Co-Course Coordinator, PhSc 4642, Clinical Pharmacokinetics</b> Spring (2 credit hours)
2009-2020	<b>Course Coordinator and Facilitator, PPHR 5472 PBL Pediatric Therapeutics [elective].</b> Spring (2 credit hours)

## TEACHING (continued)

- 2006-2021      **Mentor, Pharmacy Residents/Fellows Precepting, APPE-DPC Acute Care Advance Pharmacy Practice Experience, Pediatrics.** 2020-2021 (3 students), 2019-2020 (6 students), 2018-2019 (6 students), 2017-2018 (5 students), 2016-2017 (4 students), 2015-2016 (4 students), 2014-2015 (4 students), 2013-2014 (4 students), 2012-2013 (4 students), 2011-2012 (4 students), 2010-2011 (4 students), 2009-2010 (5 students), 2008-2009 (6 students), 2006-2007 (4 students)
- 2006-2017      **Lecturer, PHPR 5362 Drug-Induced Disease [elective].**  
Fall (1 hour) Metabolic Complications Associated with Antiretrovirals (2013-present) Mentored Fellow/Resident providing this lecture
- 2006              **Course Faculty and Research Project Mentor, PHPR 5442 Introduction to Research Methods [elective].** Fall and Spring 2006.  
*Special Populations, Research Projects/Interests, Poster Presentations, Publishing.*
- 2005-2013      **Lecturer, PHPR 3423 Pharmacy Practice /PHPR3422 Career Orientation and Communications.** Fall 2010-13 (6 hours), Fall 2006 -2009 (5 hours), Fall 2005 (4 hours).  
○ *Residencies, Fellowships, and Clinical Practice; Cultural Competency.*
- 2004              **Lecturer, PHPR 5352 Advanced Infectious Disease Therapeutics Elective.**  
Spring 2004 (2 hours).  
*Antibiotic Use and Dosing Considerations in Children, Pediatric HIV.*
- 2002-2021      **Lecturer, PHPR 5645 Therapeutics III. Spring** 2020-2021 (8 hours) including TBL, Spring 2014-2019 (10 hours) Spring 2011-2013 (9 hours) Spring 2010 (12 hours), Spring 2008-2009 (11 hours), Spring (10 hours), Spring 2006 (7 hours), Spring 2005 (4 hours), Spring 2004 (2 hours).
- 2002              **Facilitator, PHPR 5645 Therapeutics III Recitation.** Spring 2002.
- 2000              **Lecturer, PHPR 352 Introduction to Clinical Pharmacy Practice II**  
*COP Ferris State University*  
Fall 2000 (1 hour) Career Choices: Clinical Pharmacy and Residencies

## TEACHING (continued)

### Postgraduate Training

2013-present

**Preceptor**, Pediatric Pharmacy Practice Residency Program *University of Arkansas for Medical Sciences COP & Arkansas Children's Hospital*  
Serve as the primary preceptor for the following rotations: General Pediatrics, Infectious Disease, Antimicrobial Stewardship, Inpatient Pulmonary, Longitudinal TDM

- 2019-20 Julianne Mott, Pharm.D. (TDM/Stewardship)
- 2018-19 Jessica Baker, Pharm.D. (TDM/Stewardship)
- 2017-18 Min Cai, Pharm.D. (TDM/Stewardship)
- 2016-17 Josh Robinson, Pharm.D. (2 months of stewardship)
- 2015-16 Jon Martinez, Pharm.D. (TDM/Stewardship)
- 2014-15 Andrew Houck, Pharm.D. (General Peds, TDM, Antimicrobial Stewardship)
- 2013- Catherine Needham, Pharm.D. (General Pediatrics and Antimicrobial Stewardship)

2010-2021

**Director and Primary Preceptor**, Pediatric Infectious Disease/Antimicrobial Stewardship Residency (1 year 2010-2015)/Fellowship Program (2015-present) *University of Arkansas for Medical Sciences COP & Arkansas Children's Hospital*

- 2019-2021 – Sarah Firmani, Pharm.D.
  - Clinical Pharmacist, Pediatric Antimicrobial Stewardship, Dallas Children's, Dallas, TX
- 2018-2020- Caleb McMinn, Pharm.D.
  - Clinical Pharmacist, Pediatric ID & Antimicrobial Stewardship, Arkansas Children's, Little Rock, AR
- 2017-2019- Kimberly Pough, Pharm.D., BCPS
  - Antimicrobial Stewardship Pharmacist, St. Christopher's Hospital for Children, Philadelphia, PA
- 2017-2019- Corey Lance, Pharm.D.
  - Clinical Pharmacist, Antimicrobial Stewardship, St. Vincent's, Little Rock, AR
- 2016-2018- Hoang Huynh, Pharm.D., MBA
  - Internal Medicine, Clinical Pharmacist Methodist, Houston TX (current)
- 2015-2016- Drew Stahl, Pharm.D.
  - Antimicrobial Stewardship/Infectious Disease Pharmacist
    - Norton Children's Hospital, Louisville, KY (current)
    - Jewish and St. Mary's Hospital, Louisville, KY 2016-17
- 2014-2015-Justin Markham, Pharm.D.
  - Hem/Onc ID Clinical Pharmacist
    - Cincinnati Children's Hospital
- 2013-2014-Karisma Patel, Pharm.D.
  - Antimicrobial Stewardship Clinical Pharmacist
    - Dallas Children's in Dallas, TX (current)
    - Mercy Children's in Kansas City, MO (2014-2017)
- 2010-2011-Ashley Crumby, Pharm.D.
  - Faculty, University of Mississippi School of Pharmacy, Academic Affairs -Director of Academic Achievement Program

## TEACHING (continued)

2007

**Preceptor**, Pharmacy Practice Residency Program  
*Central Arkansas Veterans Healthcare System Pharmacy Services, Little Rock, Arkansas*

- April-June 2007 Melanie Claborn, Pharm.D.
- Pediatric HIV Ambulatory Longitudinal Experience

2006-2013

**Director and Preceptor**, Pediatric Pharmacy Practice Residency Program  
*UAMS COP & Arkansas Children's Hospital*

- 2012-2013- Karisma Patel, Pharm.D.
  - Antimicrobial Stewardship Clinical Pharmacist at Mercy Children's Hospital, Kansas City
- 2011-2012- Kirsten Boggs, Pharm.D.
  - Currently a staff pharmacist at Denver Children's Hospital
- 2009-2010-Ashley Crumby, Pharm.D.
  - Faculty, University of Mississippi School of Pharmacy, Academic Affairs Office-Director of Academic Achievement Program
- 2009-2010- Starr McLain, Pharm.D.
  - 2020- present; Pharmacist, Huntsville Hospital for Women & Children
  - Level V Executive Consultant, Rodan & Fields
  - 2014-2017 Compound Pharmacist at Cornerstone Pharmacy specializing in transplant, Little Rock, AR
  - 2010-2014 Renal/Liver Transplant Pharmacist: Arkansas Children's Hospital, Arkansas
- 2008-2009- Matthew Gentry, Pharm.D.
  - Started as a Clinical Antimicrobial Stewardship Pharmacist: Orange County Children's Hospital, California then changed the Fall of 2013 to the Children's Hospital of Los Angeles. Now currently a Pediatric Clinical Pharmacy Specialist at PipelineRx in Seattle, WA.
- 2008-2009- Nisha Thomas, Pharm.D.
  - Currently a Clinical NICU Pharmacist: Children's Hospital of Eastern Ontario, Canada
- 2006-2007- Natalie Bohannon, Pharm.D.
  - Currently a Clinical Pharmacist: North Little Rock Baptist Hospital, Arkansas

Served as the primary preceptor for each PGY1 resident for 6-8 months in the following monthly experiences: general pediatrics, antimicrobial stewardship, infectious diseases, and inpatient pulmonary. Also oversee longitudinal clinic experience in HIV.

2005-2008

**Preceptor**, UAMS Pharmacy Practice Residency Program-Pediatric Rotation

- January 2008- Nisha Thomas, Pharm.D.
- March 2006- Catherine O'Brien, Pharm.D.
- November 2005- Kimberley Dickey, Pharm.D.

2003-2004

**Preceptor**, UAMS COP Infectious Disease Fellowship

- July 2003-June 2004 Jarrett Amsden, Pharm.D.
  - Pediatric HIV Ambulatory Longitudinal Experience: ½ day/week

## **TEACHING (continued)**

### **College of Nursing:**

2006-2010 **Lecturer, Clinical Management of Child & Family (NUSC 5313)**  
Spring 2009, Spring 2008, Spring 2007 (3 hours), Spring 2006 (2 hours).  
*Pediatric Dosing Considerations, Antimicrobial Resistance.*

### **College of Medicine:**

2019-present **Lecturer, Medicine Across Generations (MODU 8206)** (2 hours)

2014-2016 **Lecturer, AI Didactic Session**  
Present once on alternating months to current AI's with our P4 pharmacy students on Antibiotic principles

2005-present **Lecturer, Arkansas Medical Resident Noon Lecture Series**  
2009-2010, 2012-2016 (1 hour/year) 2005-2008, 2011 (2 hours/year).  
*Antimicrobial Stewardship, Therapeutic Drug Monitoring, Vancomycin, Developmental Pharmacology*

2002-present **Lecturer, Pharmacology and Toxicology M4 Longitudinal Elective (LPHAA)**  
Spring 2012-2020 (2 hours/year) Spring 2010-2011 (3 hours/year), Fall 2006-2008 (3 hours/year), Fall 2003-2005 (2 hours/year).  
*Simplified Dosing Adjustments, Pediatric Dosing Considerations, Drug Interactions.*

### **Arkansas Children's Hospital:**

2014-present **Faculty, Versant Curriculum for Nursing Residents**  
Teach 1.5 hours per cohort (2-3x year) on Developmental Pharmacology and Antimicrobial Stewardship Program

2017-present **Faculty, Nursing Fellowship**  
Teach 1.5 hrs (2x year) on Antimicrobial Stewardship

### **Academic Advisement: College of Pharmacy**

2021 **Faculty Mentor**, 2021 Walmart Annual Conference Scholarship Program awarded to Sydney Zotti (2022 graduate)

2007-present **Faculty Mentor**, College of Pharmacy Honors in Research Program (HIRP)

- Class of 2024: Whitney Austin, Alexa Ramick
- Class of 2023: Morgan Tracy
- Class of 2022: Sydney Zotti, Brooke Lessenberry, Kaitlin Stuff, Michelle Briere
- Class of 2021: Rima Bhakta, Ryan Marks, Haodi Ruan, Caylin Carson, Allison Booth
- Class of 2020: Emma Matherne, Cheyenne Beene, Mary Kate Tucker, Ashley Temples, Kristen Burrell, Bichhong Do (approved)
- Class of 2019: Julianne Mott, Caleb McMinn, Sathya Kumaran (approved)
- Class of 2017: Corey Lance (approved)
- Class of 2014: Rachel McCaleb, B.S. (approved January 2014)
- Class of 2012: Sarah Norman (application approved January 2012)
- Class of 2011: Jonathan Barham (application approved January 2011)
- Class of 2010: Annie Inman (application approved January 2010)
- Class of 2010: Debbie McCastlain (application approved January 2010)

## TEACHING (continued)

- 2007-2019      **Faculty Advisor**, Longitudinal Introductory Pharmacy Practice Experience  
Provide a 4 hour shadowing experience
- 2007-present      **Research Mentor**, College of Pharmacy, Pharmacy Practice Student Research Fellowship- Provide a 10 week summer clinical research opportunity with the aim of exposing the student to various aspects of research design, implementation, assessment, and presentation.
- Brooke Lessenberry and Morgan Tracy, 2020 recipient
  - Sydney Zotti, 2019 recipient
  - Rima Bahtka, 2018 recipient
  - Emma Matherne, 2017 recipient
  - Caleb McMinn, 2016 recipient
  - Miriam Khan, 2015 recipient
  - Grant Florer, 2013 recipient (co-mentored with Catherine O'Brien, Pharm.D.)
  - Rachel McCaleb, B.S., 2011 and 2012 recipient (co-mentored with Catherine O'Brien, Pharm.D.)
  - Sarah Norman, 2010 recipient (co-mentored with Catherine O'Brien, Pharm.D.)
  - Jonathan Barham, 2009 recipient
  - Debbie McCastlain, 2008 recipient
  - Annie Inman, 2007 recipient
- 2002-2004      **Mentor**, SSHP Shadowing Program

## Academic Advisement: Postgraduate Programs

- 2006-present      **Research Mentor**, UAMS College of Pharmacy & Arkansas Children's Hospital Pharmacy Practice Residency/Fellowship
- **Sarah Firmani, Pharm.D., 2019-present**  
**Project:** Evaluating the impact of Vancomycin AUC vs Trough in neonates.  
**Project:** Implementing a UTI pathway/order set based on Pediatric UTI antibiogram to improve antimicrobial utilization.
  - **Caleb McMinn, Pharm.D., 2018-present**  
**Project:** Antimicrobial usage assessment in pediatric dental procedure utilizing 3<sup>rd</sup> party payer claims data in Arkansas.  
**Project:** Assessing Third Generation Cephalosporin Use in the General Pediatric Population.  
**Project:** Evaluation of Acute Kidney Injury Rates in Neonatal Intensive Care Unit Patients Receiving Vancomycin plus Piperacillin/tazobactam.
  - **Kimberly Pough, Pharm.D., 2017-2019**  
**Project:** Evaluation of Antimicrobial Usage in Surgical Site Infections at Arkansas Children's Hospital (shunts, spines, cardiovascular, colorectal).  
**Project:** Evaluation of oral antimicrobial usage in the treatment of small intestinal bowel overgrowth (SIBO) and risk of bacterial resistance and other side effects.



## TEACHING (continued)

- **Corey Lance, Pharm.D., 2017-2019**  
**Project:** Impact of rapid pathogen detection on CSF and blood using BioFire FilmArray® on time to appropriate antibiotic use at Arkansas Children's.  
**Project:** Assessment of Antibiotic Length of Therapy in Surgical and Non-Surgical Necrotizing Enterocolitis.
- **Hoang Huynh, Pharm.D., MBA 2016-2018**  
**Project:** Assessment of pediatric risk of nephrotoxicity with combination vancomycin and piperacillin/tazobactam in a children's hospital.  
**Project:** SHARPS Antibiotic Resistance, Prescribing, and Efficacy among Children.  
**Project:** Evaluation of HAI's and Antibiotic Susceptibility in a Children's Hospital.  
**Project:** Identification of *Clostridium difficile* Infection Risk Factors at a Children's Hospital.
- **Drew Stahl, Pharm.D., 2015- 2016**  
**Project:** SHARPS Antibiotic Resistance, Prescribing, and Efficacy among Children.  
**Project:** Vancomycin in Children: From Trough Monitoring to AUC: A Retrospective evaluation utilizing Vancomycin AUC Calculation to Determine efficacy and Safety.  
**Project:** Impact of Pharmacist Intervention while Utilizing a Novel Educative Antimicrobial Stewardship Model.
- **Justin Markham, Pharm.D., 2014-2015**  
**Project:** *Evaluating the Impact of Meropenem Restriction on Utilization of Other Antimicrobials.*
- **Karisma Patel, Pharm.D., 2013-2014**  
**Project:** *Evaluating Vancomycin dosing, concentration, and impact on time to negative MRSA blood cultures.*
- **Karisma Patel, Pharm.D., 2012-13**  
**Project:** *Risk factors associated with the development of multi-drug resistant Pseudomonas aeruginosa in children and adults with cystic fibrosis.*
- **Kirsten Boggs, Pharm.D., 2011-12**  
**Project:** *Effect of Appetite Suppressing Medication Use on Nutritional Status and Need for Nutritional Intervention in Cystic Fibrosis Patients.*
- **Ashley Crumby, Pharm.D., 2010-11**  
**Project:** *Evaluation of carbapenem utilization in a children's hospital.*
- **Starr McLain, Pharm.D., 2009-10**  
**Project:** *Determining barriers and strategies with medication adherence in adolescents and young adults post-liver and renal transplant.*

## TEACHING (continued)

- **Ashley Crumby, Pharm.D., 2009-10**  
**Project:** *Effect of multi-drug resistant gram-negative organisms on lung function in cystic fibrosis patients.*
- **Nisha Thomas, Pharm.D., 2008-09**  
**Project:** *The Impact of MRSA on FEV1 in Pediatric CF Patients.*
- **Matthew Gentry, Pharm.D., 2008-09**  
**Project:** *Impact of Azithromycin on Time to Inducible Clindamycin Resistance of Staphylococcus in CF.*
- **Natalie Bohannon, Pharm.D., 2006-07**  
**Project:** *Antibiotic Treatment Evaluation of Staphylococcus aureus in a Pediatric Hospital.*

2006

**Faculty Mentor**, 2006 Walmart Annual Conference Scholarship Program awarded to Natalie Bohannon, Pharm.D. (Resident)

- A nationally competitive award for students, residents, or fellows with interest in an academic career meant to strengthen the recipient's skills and commitment to academia. The award funds the recipient/faculty mentor pair's registration and travel expenses for AACP's Teacher's Seminar at the AACP Annual Meeting. Dr. Bohannon was one of 35 recipients nationwide.

## SCHOLARSHIP, RESEARCH, OTHER CREATIVE WORK

### Other Teaching: College of Pharmacy

2008-present      **Facilitator**, Pharmacy Report (5 sessions each month for all P4 students on APPE at Arkansas Children's Hospital)  
Topics: Pharmacokinetics Review and Application: 2 hours  
P4 Formal Case Presentations: 2-3 hours  
P4 Topic Debate/Journal Club: 2 hours

2006-2010      NAPLEX Review, Pediatrics and HIV (1 hour)

### Professional Development: Teaching

AACP Teachers Seminar AACP Annual Meeting, Virtual, July 2021

UAMS COP Summer Faculty Development Workshops 2010 (4 hours)

AACP Teachers Seminar Pre-session. "Teaching with Technology". Boston, Mass. July 2009

UAMS OED Blackboard 8/Wimba Training Workshops 2008 (4 hours)

UAMS COP Summer Faculty Development Workshops 2008 (2 hours)

AACP Teachers Seminar Pre-session. "Primer in Pharmacy Education Workshop" AACP Annual Meeting, San Diego, CA July 2006

### Teaching Awards

2015 Department of Pharmacy Practice Outstanding Faculty Award

2011-2012 UAMS College of Pharmacy Teacher of the Year Award

## **SCHOLARSHIP, RESEARCH, OTHER CREATIVE WORK**

### **Publications and Scholarship**

#### **Publication of Original Work in Refereed Journals**

Gerber, Jackson MA, Tamma PD, Zaoutis TE; **Committee on Infectious Diseases, Pediatric Infectious Diseases Society**. Policy Statement: Antibiotic Stewardship in Pediatrics. *J Pediatric Infect Dis Soc* 2021 May 28;10(5):641-9. Doi: 10.1093/jpids/piab002.

Gerber, Jackson MA, Tamma PD, Zaoutis TE; **Committee on Infectious Diseases, Pediatric Infectious Diseases Society**. Antibiotic Stewardship in Pediatrics. *Pediatrics* 2021 Jan;147(1):32020040295. Doi: 10.1542/peds.2020-040295.

Tribble AC, Lee BR, Flett KB, Handy LK, Gerber JS, Hersh AL, Kronman MP, Terrill CM, Sharland M, Newland JG; **Sharing Antimicrobial Reports for Pediatric Stewardship (SHARPS) Collaborative**. Appropriateness of Antibiotic Prescribing in the United States Children's Hospitals: A National Point Prevalence Survey. *Clin Infect Dis* 2020 Nov 5;71(8):e226-234.

Rybak MJ, Le J, Lodise TP, Levine DP, Bradley JS, Liu C, Mueller BA, Pai MP, Wong-Beringer A, Rotschafer JC, Rodvold KA, **Maples HD**, Lomaestro B. Therapeutic monitoring of vancomycin for serious methicillin-resistant *Staphylococcus aureus* infections—A revised consensus guideline and review of the American Society of Health-System Pharmacists, the Infectious Diseases Society of America, the Pediatric Infectious Diseases Society and the Society of Infectious Diseases Pharmacists. *Clin Infect Dis* 2020 Sep 12;71(6):1361-4.

Cogen J, Kahl B, **Maples HD**, McColley S, Roberts J, Winthrop K, Morris A, Holmes A, Flume P, VanDevanter D, Waters V, Muhlebach M, Elborn J, Saiman L, Bell S. Finding the Relevance of Antimicrobial Stewardship for Cystic Fibrosis. *J Cyst Fibros* 2020 Jul;19(4):511-20.

Rybak MJ, Le J, Lodise T, Levine D, Bradley J, Liu C, Mueller B, Pai M, Wong-Beringer A, Rotschafer JC, Rodvold K, **Maples HD**, Lomaestro BM. Executive Summary: Therapeutic Monitoring of Vancomycin for Serious Methicillin-Resistant *Staphylococcus aureus* Infections: A Revised Consensus Guideline and Review of the American Society of Health-System Pharmacists, the Infectious Diseases Society of America, the Pediatric Infectious Diseases Society, and the Society of Infectious Diseases Pharmacists. *J Pediatric Infect Dis Soc* 2020 Jul 13;9(3):281-4. Doi: 10.1093/jpids/piaa057.

Rybak MJ, Le J, Lodise TP, Levine DP, Bradley JS, Liu C, Mueller BA, Pai MP, Wong-Beringer A, Rotschafer JC, Rodvold KA, **Maples HD**, Lomaestro B. Therapeutic monitoring of vancomycin for serious methicillin-resistant *Staphylococcus aureus* infections—A revised consensus guideline and review of the American Society of Health-System Pharmacists, the Infectious Diseases Society of America, the Pediatric Infectious Diseases Society and the Society of Infectious Diseases Pharmacists. *Am J Health Syst Pharm* 2020 May 19;77(11):835-64.

Pough K, Bhakta R, Honeycutt M, **Maples HD**, Vijayan V. Evaluation of Pediatric Surgical Site Infections Associated with Colorectal Surgeries at an Academic Children's Hospital. *Healthcare* 2020 Apr 9;8(2):91. Doi: 10.3390/healthcare8020091.

## **SCHOLARSHIP, RESEARCH, OTHER CREATIVE WORK (continued)**

Rybak MJ, Le J, Lodise T, Levine D, Bradley J, Liu C, Mueller B, Pai M, Wong-Beringer A, Rotschafer JC, Rodvold K, **Maples HD**, Lomaestro BM. Executive Summary: Therapeutic Monitoring of Vancomycin for Serious Methicillin-Resistant Staphylococcus aureus Infections: A Revised Consensus Guideline and Review of the American Society of Health-System Pharmacists, the Infectious Diseases Society of America, the Pediatric Infectious Diseases Society, and the Society of Infectious Diseases Pharmacists. *Pharmacotherapy* 2020 Apr;40(4):363-7.

Waters VJ, Kidd TJ, Canton R, Ekkelenkamp MB, Johansen HK, LiPuma JJ, Bell SC, Elborn JS, Flume PA, VanDevanter DR, Gilligan P; **Antimicrobial Resistance International Working Group in Cystic Fibrosis**. Reconciling Antimicrobial Susceptibility Testing and Clinical Response in Antimicrobial Treatment of Chronic Cystic Fibrosis Lung Infections. *Clin Infect Dis* 2019 Oct 30;69(10):1812-6.

Kronman MP, Banerjee R, Duchon J, Gerber JS, Green MD, Hersch AL, Hyun D, **Maples H**, Nash CB, Parker S, Patel SJ, Saiman L, Tamma PD, Newland JG. Expanding Existing Antimicrobial Stewardship Programs in Pediatrics: What comes Next? *J Pediatric Infect Dis Soc* 2018 Aug 17;7(3):241-248.

Newland JG, Gerber JS, Kronman MP, Meredith G, Lee BR, Thurm C, Hersh AL, **SHARPS Collaborative**. Sharing Antimicrobial Reports for Pediatric Stewardship (SHARPS): A Quality Improvement Collaborative. *J Pediatr Infect Dis Soc*. 2018 May 15;7(2):124-8.

McCaleb R, Warren RH, Willis D, **Maples HD**, Bai S, O'Brien CE. Description of Respiratory Microbiology of Children with Long-Term Tracheostomies. *Respir Care* Dec 2016;61:447-52

Patel K, Crumby A, **Maples HD**. Balancing Vancomycin Troughs and Nephrotoxicity: What Should We Be Aiming For? *Pediatric Drugs* 2015;17:97-103.

Newland JG, Gerber J, Weissman S, Shah SS, Turgeon C, Hedican EB, Thurm C, Courter J, Brogan T, **Maples H**, Lee B, Hersch AL. Prevalence and Characteristics of Antimicrobial Stewardship Programs at Freestanding Children's Hospitals in the United States. *Infect Control Hosp Epidemiol*. 2014;35:265-71.

Hyun DY, Hersch AL, Namtu K, Palazzi DL, **Maples HD**, Newland JG, Saiman L. Antimicrobial Stewardship in Pediatrics: How Every Pediatrician Can Be a Steward. *JAMA Pediatrics* 2013;167:859-66.

**Maples HD**, Schutze GL. Consultation With The Specialist: Malaria Prophylaxis in Children. *Pediatr Rev* 2006;27:346-50.

Jacobs RF, **Maples HD**, Aranda JV, Espinoza GM, Knirsch C, Chandra R, Fisher JM, Kearns G. Pharmacokinetics of Intravenously Administered Azithromycin in Pediatric Patients. *Pediatr Infect Dis J* 2005;24:34-9.

**Maples HD**, James LP, Stowe CD, Chesney R, Christensen M, Blumer J, Wilson J, Wells TG, Kearns G. Famotidine disposition in children and adolescents with chronic renal insufficiency. *The Journal of Clinical Pharmacology*. 2003;43:7-14.

### **Publication of Case Reports and Reviews in Refereed Journals**

Firmani SE, Maples HD, Balamohan A. Lactococcus species Central Line-Associated Blood Stream Infection in Pediatrics: A Case Series. **Submitted Oct 26, 2021** to *Frontiers in Medicine Infectious Diseases-Surveillance, Prevention and Treatment*.

## **SCHOLARSHIP, RESEARCH, OTHER CREATIVE WORK (continued)**

Nienaber T, **Maples HD**, Edgar Zarate C. Salmonella Osteomyelitis in an immunocompetent child- a question of penetration. Accepted November 2019 to the Journal of the Arkansas Medical Society.

Mott, J, Harik, N, Linam W, McMinn C, **Maples, H**. Evaluation of outcomes for extended interval gentamicin dosing in children with tularemia. Anticipated submission to *Pediatr Infect Dis J* Feb 2019.

Pough KA, **Maples HD**, Romero JR, Vijayan V. Jarisch-Herxheimer Reaction Following Treatment for Congenital Syphilis. Anticipated submission to *Pediatrics* Feb 2019.

Muldrew K, **Maples HD**, Stowe CD, Jacobs RF. Intravenous Voriconazole Use in a Pre-Term Infant. *Pharmacotherapy* 2005;25:893-8. (CASE REPORT)

Roberts GM, Wheeler GW, Tucker NC, Hackler C, Young K, **Maples HD**, Darville T. Nonadherence With Pediatric Human Immunodeficiency Virus Therapy as Medical Neglect. *Pediatrics* 2004;114:e346-53.

**Maples HD**, Stowe CD, Saccente SL, Jacobs RF. Voriconazole Serum Concentrations in an Infant Treated for *Trichosporon beigeli* Infection. *Pediatr Infect Dis J* 2003;22:1022-4. (CASE REPORT)

### **Published Correspondence in Profession Journals**

Ryback MJ, Le J, Lodise TP, Levine D, Bradley JS, Liu C, Mueller BA, Pai MP, Wong-Beringer A, Rodvold KA, **Maples HD**. Questions on Vancomycin Dosing. *Clin Infect Dis* 2021 Oct 5;73(7):e1777-8. Doi:10.1093/cid/ciaa1775.

Ryback MJ, Le J, Lodise TP, Levine D, Bradley JS, Liu C, Mueller BA, Pai MP, Wong-Beringer A, Rodvold KA, **Maples HD**. Validity of 2020 Vancomycin Consensus Recommendations and Further Guidance for Practical Application. *Am J Health Syst Pharm* 2021 Jul 22;78(15):1364-7. Doi: 10.1093/ajhp/zxab123.

### **Published Letters in Professional Journals**

Darville T, Wheeler JG, Tucker NC, Hackler C, Young K, **Maples HD**. Coercive Treatment of HIV-Positive Children Is Not Justified: In Reply. *Pediatrics* 2005;116:1606-8.

### **Professional Board Prep Materials**

2015-16 PPAG: Pediatric PharmPrep Advanced Guide: Pediatric Infectious Disease Module  
Cellulitis, Orbital Cellulitis, Pyelonephritis, Septic Arthritis, UTI's, HIV, Prenatal Prevention of HIV, Opportunistic Infections, Osteomyelitis, Impetigo

### **ANGELS Guidelines**

2012-2020 (yearly update): **Maples HD and the ANGELS Team**. ANGELS Guidelines: Antibiotic Use in the Nursery (E. coli, Group B Streptococcus, Staphylococcus aureus)

## SCHOLARSHIP, RESEARCH, OTHER CREATIVE WORK (continued)

### **Published Book Chapters**

Hamilton KW, **Maples HD**. Chapter 11: “Antibiotic Allergies and Antibiotic Stewardship” in Practical Implementation of an Antibiotic Stewardship Program. Barlam TF, Neuhauser MM, Tamma PD, Trivedi KK 1<sup>st</sup> ed. Cambridge University Press. Cambridge, UK. 2018.

**Maples HD**, James LP, Stowe CD. Chapter 10: “Special Pharmacokinetic and Pharmacodynamic Considerations in Pediatrics”, in Applied Pharmacokinetics and Pharmacodynamics: Principles of Therapeutic Drug Monitoring. Shaw LM, Evans WE, Schentag JJ, Burton ME 4<sup>th</sup> ed. Lippincott Williams & Wilkins, Philadelphia. 2005

Stowe CD, **Maples HD**. “Immunizations”, in Pediatric Pharmacotherapy Continuing Education Workbook. Kuhn RJ, 4<sup>th</sup> ed. University of Kentucky Press. Lexington, Kentucky. 2003

### **Invited Reviews in Non-Refereed Journals**

**Maples HD**, Farrar HC. Case Studies Show Principles of Pediatric TDM: Part 2. *Clinical and Forensic Toxicology News* Mar 2004:3-5.

**Maples HD**, Farrar HC. Case Studies Show Principles of Pediatric TDM: Part 1. *Clinical and Forensic Toxicology News* Dec 2003:3-4.

**Maples HD**, Stowe CD. Pediatric Pharmaceutical Care In the Community Setting. *America’s Pharmacist*. 2002 Nov 38-43. (REVIEW)

### **Service as Referee for Professional Journals**

2021-present	<b>Special Issue Editor</b> , Antibiotics (Pediatric Antimicrobial Stewardship)
2020-present	<b>Reviewer</b> , The Journal of Rural Health
2020-present	<b>Reviewer</b> , International Journal of Pharmacy Practice
2017-present	<b>Reviewer</b> , Italian Journal of Pediatrics
2017-present	<b>Reviewer</b> , Journal of Pediatric Infectious Disease
2017-2019	<b>Reviewer and Editorial Advisory Board Member</b> , Journal of Antimicrobial Stewardship
2013-present	<b>Reviewer</b> , Pharmacotherapy
2010-present	<b>Reviewer</b> , Journal of Pediatric Pharmacology and Therapeutics
2006-2009, 2013-present	<b>Reviewer</b> , <i>Pediatric Infectious Disease Journal</i>
2006-2008	<b>Reviewer</b> , <i>Paediatric and Perinatal Drug Therapy</i>
2003-2007	<b>Reviewer</b> , <i>Advances in Pharmacy</i>
2002-2007, 2020-present	<b>Reviewer</b> , <i>Hospital Pharmacy Journal</i>

## **SCHOLARSHIP, RESEARCH, OTHER CREATIVE WORK (continued)**

### **Clinical Performance**

#### **Development of New Clinical Services/Programs**

- August 2020**      **ID/ASP Inpatient Clinical Pharmacist Position**
- Helped to provide justification for ACH to gain 1.0 FTE support for a pharmacist to help grow the ASP program (Caleb McMinn, Pharm.D.)
- July 2017-2019**      **Pediatric ID/Stewardship/Arkansas Department of Health Training Program**
- 1 trainee (50% ADH/ 50% Chair Funds)
- July 2015-2021**      **Pediatric Infectious Disease/Antimicrobial Stewardship Fellowship**
- Recruited first fellow that started in July 2015
  - Expanded from 1 fellow to 2 fellows in July 2017
    - 1 fellow- co-funded with ACH and Chair funds
- July 2010-June 2015**      **Pediatric Infectious Disease/Antimicrobial Stewardship Residency Program**
- Recruited first resident that started in July 2010.
  - Serve as Director and primary preceptor.
  - Utilize 1 of 2 split funded positions between Arkansas Children’s Hospital and the UAMS COP gained in 2006 for pharmacy residents.
- January 2009**      **In-patient Renal/Liver Transplant Clinical Pharmacist**
- Assisted in re-accreditation of Renal Transplant Service and initiation of Liver Transplant Service through utilization of PGY1 resident.
  - Served as Inpatient Renal Transplant pharmacist January 2009-July 2010.
    - Managed 11 transplanted patients during inpatient stay.
    - Provided 7 day a week coverage.
  - Provided justification for creation of a new position at Arkansas Children’s Hospital. Position filled July 2010.
- Nov 2007-present**      **Antimicrobial Stewardship Program (ASP)**
- 2007- Provided justification for creation of a new program at Arkansas Children’s Hospital. Received 0.5 FTE for pharmacist from ACH
  - 2007- 7 day a week program providing coverage for vancomycin utilization, indication, and monitoring throughout hospital.
  - Expanded to include aminoglycosides in 2014.
  - In 2014, Theradoc allowed for more stewardship activities to be done after the TDM portion is completed. This is only looked at Monday-Friday.
  - 2017- ASP/TDM Policy and Procedure went into effect.
  - 2017- gained 0.2 FTE of ID MD support
  - 2017, Antimicrobial Stewardship became a Joint Commission mandate. ACH was surveyed in July 2017 and passed inspection with “flying colors”.
  - 2017- initiated new Quality Improvement ASP Research Committee
  - EPIC went into effect Nov 2017, changing flow of stewardship activities.
  - 2018, expansion of ASP to include the new ACHNW.
  - 2020, gained 1.0 FTE pharmacist for inpatient ASP

## SCHOLARSHIP, RESEARCH, OTHER CREATIVE WORK (continued)

- 2020, Begin foundation meetings with key stakeholders to develop outpatient ASP
- 2021, gained 0.2 FTE of ID MD support for outpatient ASP

**July 2007**

### **Burn Clinical Pharmacist Position**

- Initiated in 2006 after assisting with an Acinetobacter outbreak in the Burn Center, I worked with the Burn Medical and Nursing Directors in conjunction with the College of Pharmacy to establish a new faculty position.
- Kendrea Jones, Pharm.D. was hired July 2007 in a 50/50 faculty position with the UAMS College of Pharmacy and Arkansas Children's Hospital.

**July 2006**

### **Pharmacy Practice General Pediatric Residency Program**

- Funding secured from Arkansas Children's Hospital and UAMS COP for 2 resident positions.
- Currently serve as director and preceptor.

**July 2003-2010**

### **Infectious Disease/HIV Clinic Pharmacist**

- Established position focusing on HIV patients in clinic ½ day per week.
- Approximately 135 clinic visits per year of HIV positive.
- Approximately 40 clinic visits per year of exposed infants until ruled out.
- Since 2006, this clinic is used as our primary longitudinal ambulatory experience for our PGY1 resident(s).
- Now can serve as a monthly ambulatory experience for our PGY1 or 2 residents.

### **Continuation of Prior Services**

2003-2021

In-patient Cystic Fibrosis

- Created automatic consult for all inpatient CF patients starting in 2005.
- Assist in selection, dosing, and monitoring of all antibiotics.
- 7 day a week program that is incorporated with the antimicrobial stewardship service.
- Arkansas Children's Hospital maintains approximately 200 CF patients in our Center.

2003-2019

Therapeutic Drug Monitoring Service (TDM)

- Follow 24/7 any patient at ACH on Vancomycin or Aminoglycosides

### **Presentation at Professional Grand Rounds**

August 2020

Antimicrobial Stewardship at Arkansas Children's: An inpatient, outpatient, and statewide vision.

**Invited Lecture**, Arkansas Children's Hospital Nursing Grand Rounds

August 2017

Bugs, Drugs, and Resistance: An Update on Antimicrobial Stewardship at Arkansas Children's.

**Invited Lecture**, Arkansas Children's Hospital Medical Grand Rounds  
Little Rock, AR



## SCHOLARSHIP, RESEARCH, OTHER CREATIVE WORK (continued)

June 2017 Antimicrobial Stewardship: What Does Nursing Have to DO With It?  
**Invited Lecture**, Arkansas Children's Hospital Nursing Grand Rounds  
Little Rock, AR

March 2008 Antimicrobial Stewardship: Nuisance or Necessity?  
**Invited Lecture**, Arkansas Children's Hospital Medical Grand Rounds  
Little Rock, AR

### Faculty Development Invited Lecture

September 2014 Growing up with Vancomycin: A Pediatric Perspective of the Past, Present, and Future  
**Invited Lecture**, University of Illinois Chicago College of Pharmacy

### Grants and Contracts

#### Contracts:

Jan 1-2022-Dec 31-2024. Implementation Science Scholars Program. (20% salary support for 2 years-\$47,393.98 total)

July 2021-June 2022 Arkansas Department of Health (ADH) and Pew Charitable Trust: AR Medicaid Antibiotic Prescribing Program. (\$13,128.13 or 11.08% salary for one year)

#### Funded Proposals- Extramural Funding

**Co-Investigator**, "Network of Pediatric Pharmacology Research Units." (Principal Investigator: Thomas G. Wells, M.D.), National Institutes of Child Health and Human Development #2UIO HD 31324-06 July 1, 2001-June 30, 2003. Title: Associate Pharmacologist; **50% Fellowship Stipend for 2 years.**

#### Funded Proposals-Intramural Funding

**Co-Investigator**, *Pharmacokinetic-Pharmacodynamic Modeling of Cyclomydril in Preterm Infants.* (Howard Hendrickson, Ph.D., Principal Investigator) The University of Arkansas for Medical Sciences 2011 Medical Research Endowment Proposal. October 2010. **\$8,155.**

**Principal Investigator.** "Lansoprazole Disposition in Young Children with Cystic Fibrosis." The University of Arkansas for Medical Sciences 2006 Medical Research Endowment Proposal. June 2005. **\$15,000.**

**Principal Investigator.** "Maturation of P-glycoprotein Expression on Lymphocytes." Dean's / Children's University Medical Group (CUMG) Research Development Fund (ACHRI) grant: New Investigator. December 2003. **\$19,668.**

#### **(Residency Project)**

**Co-Principal Investigator.** "The effects of Hextend® on coagulation at doses up to 20 mL/kg in the pediatric population." (Principal Investigator: Nabil Hassan, M.D.) DeVos Children's Hospital, Internally funded between Department of Pediatrics and Department of Pharmacy. July 2001. **\$5,000.**

## **SCHOLARSHIP, RESEARCH, OTHER CREATIVE WORK (continued)**

### **Unfunded Proposals**

**PI Investigator**, *Assessing the Education Needs and Barriers to Pediatric Nurses Understanding of Antimicrobial Stewardship and Their Role in This Multi-disciplinary Effort*. Nursing and Allied Health Research Grant Award. Submitted Oct 2021. **\$5,000**.

**Co-PI Investigator**, *Implementation of a Multidisciplinary Antimicrobial Stewardship Program Focusing on Qualitative and Quantitative Performance Measures*. MAD-ID (Making a Difference in Infectious Diseases). Grant: \$30,000. Submitted 2016.

**Co-Investigator**, *Examining Physiologic Changes After Retinopathy of Prematurity Eye Exams*. (Anita Mitchell, RN, Ph.D., Principal Investigator) National Institute for Nursing Research (NINR), National Eye Institute, and the National Institute for Child Health and Development R15 Grant: \$407,433 **2% Salary Savings**. Submitted 2010, Resubmitted 2011.

**Principal Investigator**. *"Influence of CF and 2C19 Polymorphism on the Pharmacokinetics of IV Lansoprazole."* The American College of Clinical Pharmacy: Investigator Development Research Award. Submitted 6/1/06; **\$20,000**.

**Principal Investigator**. *"Pharmacodynamics of Lansoprazole in Children with Cystic Fibrosis."* The American College of Clinical Pharmacy: Investigator Development Research Award. Submitted 9/05; **\$17,500**.

**Principal Investigator**. *"The Impact of CYP2C19 Genotype on the Pharmacokinetics of Intravenous Lansoprazole in Cystic Fibrosis Compared to Normal Children."* The American Association of Colleges of Pharmacy 2005-2006 New Investigators Program for Pharmacy Faculty. Submitted 5/05; **\$10,000**.

**Principal Investigator**. *"Intravenous Lansoprazole Disposition in Children with Cystic Fibrosis."* TAP Pharmaceutical Investigator Initiated Grant. Submitted 9/04; **\$40,000**.

### **Presentations and Abstracts**

#### **Presentation of Original Research at National Meetings (Reviewed)**

Smith S, **Maples HD**. Relationship between health disparities and Antimicrobial Prescribing for upper respiratory tract infections in pediatric outpatient clinics.

- December 2021: Poster Presentation, ASHP Midyear Meeting-Virtual

Stuff K, Briere M, **Maples HD**. Correlation of Health Disparities and Antibiotic Prescribing Patterns for Acute Otitis Media Among Two Pediatric Outpatient Clinics: Retrospective Review.

- December 2021: Poster Presentation, ASHP Midyear Meeting-Virtual

Tracy M, **Maples HD**. Health Disparities in Pediatric Outpatient Clinics: Addressing Antimicrobial Prescribing Biases in Urinary Tract Infections.

- December 2021: Poster Presentation, ASHP Midyear Meeting-Virtual

Briere M, Stuff K, **Maples HD**. Evaluation of Differences in Antibiotic Prescribing Patterns Between an Academic and Non-Academic Pediatric General Practice Clinic: A Retrospective Review. Sharing Antimicrobial Reports for Pediatric Stewardship (SHARPS) Webinar Poster Series in lieu of annual meeting.

- June 2021: Webinar Podium Presentation

## SCHOLARSHIP, RESEARCH, OTHER CREATIVE WORK (continued)

Tracy M, Lessenberry B, Zotti S, Rader E, **Maples HD**. Taking a deeper dive into the IPSO Collaborative: Evaluating Antimicrobial Stewardship Markers Prior to Order Set Implementation. Sharing Antimicrobial Reports for Pediatric Stewardship (SHARPS) Webinar Poster Series in lieu of annual meeting.

- June 2021: Webinar Podium Presentation

Zotti S, Tracy M, Lessenberry B, **Maples HD**, Firmani S. Comparing the incidence of acute kidney injury in the neonatal intensive care unit by duration of nephrotoxic antimicrobials.

- December 2020: Poster Presentation, ASHP Midyear Meeting-Virtual

Lessenberry B, Tracy M, Zotti S, **Maples HD**, Firmani S. Evaluation of acute kidney injury in neonatal intensive care unit patients receiving vancomycin, piperacillin-tazobactam, and other nephrotoxic drugs

- December 2020: Poster Presentation, ASHP Midyear Meeting-Virtual

Carson C, **Maples HD**. Without antimicrobial stewardship involvement, can rapid diagnostics on positive blood cultures improve time to optimal antimicrobial therapy in pediatric intensive care patients?

- December 2020: Poster Presentation, ASHP Midyear Meeting-Virtual

Ruan H, **Maples HD**. Evaluation of Pneumococcal Immunization Status and Development of Cephalosporin-Resistant Pneumococcal Meningitis: A Quality Improvement Project

- December 2020: Poster Presentation, ASHP Midyear Meeting-Virtual

Marks R, Zotti S, **Maples HD**, McMinn C. Evaluation of antimicrobial use in the treatment of community acquired pneumonia at Arkansas Children's Hospital: a retrospective quality improvement project.

- December 2020: Poster Presentation, ASHP Midyear Meeting-Virtual

Bhakta R, Canon S, **Maples H**. Evaluation of Risk Factors and Treatment of Extended Spectrum Beta Lactamase (ESBL) Urinary Tract Infections in Children Less than 1 Year of Age.

- September 2019: Poster Presentation, Pediatric Urology Fall Congress, Scottsdale, AZ.

Beene C, Matherene E, Burrell K, **Maples H**. Assessment of Vancomycin Trough vs AUC as a Predictor of Efficacy and Toxicity in Pediatric MRSA Infections.

- September 2019: Poster Presentation, Pediatric Pharmacy Advocacy Group Fall Conference, Lexington, KY.

Tucker MK, Carson C, Mott J, Lance C, **Maples H**. Evaluation of the Impact of BioFire FilmArray® Rapid PCR Implementation on the Time to Appropriate Antimicrobial Initiation in Pediatric Patients with CNS Infections: A Quality Improvement Project

- September 2019: Poster Presentation, Pediatric Pharmacy Advocacy Group Fall Conference, Lexington, KY.

Beene C, Matherne E, Burrell K, Crawford B, Blaszak R, **Maples H**. Assessment of vancomycin trough vs AUC as a predictor for acute kidney injury without other nephrotoxic agents.

- May 2019: Poster Presentation, 10<sup>th</sup> Annual International Pediatric Antimicrobial Stewardship Conference, St. Louis, MO

## **SCHOLARSHIP, RESEARCH, OTHER CREATIVE WORK (continued)**

Bhakta R, Pough K, Honeycutt M, Vijayan V, **Maples H**. Evaluation of pediatric surgical site infections associated with colorectal surgeries at a large academic children's hospital.

- May 2019: Poster Presentation, 10<sup>th</sup> Annual International Pediatric Antimicrobial Stewardship Conference, St. Louis, MO

Bhakta R, Morris E, Temples A, Sikes N, Canon S, Vijayan V, Gaspar A, Cantrell L, **Maples H**. Evaluation of pediatric ESBL-producing UTIs in Arkansas.

- May 2019: Poster Presentation, 10<sup>th</sup> Annual International Pediatric Antimicrobial Stewardship Conference, St. Louis, MO

Burrell K, Matherne E, Beene C, Crawford B, Blaszak R, **Maples H**. Assessment of vancomycin trough vs AUC as a predictor for acute kidney injury with nephrotoxic medications in pediatric patients.

- May 2019: Poster Presentation, 10<sup>th</sup> Annual International Pediatric Antimicrobial Stewardship Conference, St. Louis, MO

Burrell K, Matherne E, Beene C, Crawford B, Blaszak R, **Maples H**. Assessment of vancomycin trough vs AUC as a predictor for acute kidney injury with piperacillin-tazobactam combination therapy.

- May 2019: Poster Presentation, 10<sup>th</sup> Annual International Pediatric Antimicrobial Stewardship Conference, St. Louis, MO

Do BH, Pough K, Honeycutt M, Vijayan V, **Maples H**. Evaluation of pediatric surgical site infections associated with spinal fusions at a large academic pediatric hospital.

- May 2019: Poster Presentation, 10<sup>th</sup> Annual International Pediatric Antimicrobial Stewardship Conference, St. Louis, MO

Matherne E, Beene C, Burrell K, Crawford B, Blaszak, **Maples H**. Evaluation of vancomycin trough vs AUC as a predictor for acute kidney injury with piperacillin-tazobactam plus other nephrotoxic drugs in pediatric patients.

- May 2019: Poster Presentation, 10<sup>th</sup> Annual International Pediatric Antimicrobial Stewardship Conference, St. Louis, MO

Morris E, Bhakta R, Temples A, Sikes N, Canon S, **Maples H**. Evaluation of community acquired UTIs in the pediatric population in Arkansas.

- May 2019: Poster Presentation, 10<sup>th</sup> Annual International Pediatric Antimicrobial Stewardship Conference, St. Louis, MO

Pough K, Snodgrass P, Honeycutt M, Vijayan V, **Maples H**. Evaluation of pediatric surgical site infections associated with cardiovascular surgeries at a large academic children's hospital.

- May 2019: Poster Presentation, 10<sup>th</sup> Annual International Pediatric Antimicrobial Stewardship Conference, St. Louis, MO

Temples A, Morris E, Bhakta R, Sikes N, Canon S, **Maples H**. Evaluation of health-care associated urinary tract infections at a large academic pediatric hospital.

- May 2019: Poster Presentation, 10<sup>th</sup> Annual International Pediatric Antimicrobial Stewardship Conference, St. Louis, MO

## SCHOLARSHIP, RESEARCH, OTHER CREATIVE WORK (continued)

Pough K, Vijayan V, Honeycutt M, **Maples H**. Evaluation of Pediatric Surgical Site Infections Associated with Neurosurgical Shunt Surgeries at a Large Academic Children's Hospital

- May 2019: Poster Presentation, Making a Difference in Infectious Diseases (MAD-ID), Orlando, FL

Matherne E, Pough K, Vijayan V, **Maples HD**. Evaluation of pediatric surgical site infections associated with ventriculoperitoneal shunt implantation at a large academic children's hospital.

- December 2018: Poster Presentation, ASHP Midyear Meeting, Anaheim, CA

Matherne E, Vijayan V, Gaspar A, Marrero E, Mott J, **Maples HD**. Evaluation of Bacterial Healthcare-Associated Infections and Antibiotic Susceptibility in a Burn Unit.

- March 2018: Platform Presentation, American Pharmacists Association (APhA) Annual Meeting, Nashville, TN

Mott J, Vijayan V, Marrero E, **Maples HD**. Evaluation of bacterial healthcare-associated infections and antibiotic susceptibility in a neonatal intensive care unit.

- December 2017: Poster Presentation, ASHP Midyear Meeting, Orlando, FL

Huynh HA, Wisdom C, **Maples HD**. Association of Acid Suppression and Antimicrobial Use with *Clostridium difficile* Infection in Children.

- October 2017: Poster Presentation, ID Week, San Diego, CA
- Dr. Huynh received a Trainee Travel Grant- \$800

Huynh HA, Mott J, Wisdom C, Linam WM, **Maples HD**. Evaluation of Hospital-Acquired Infections and Antibiotic Susceptibility in the Hematology-Oncology Unit at a Children's Hospital.

- June 2017: Poster Presentation, 8<sup>th</sup> Annual International Pediatric Antimicrobial Stewardship Conference, St. Louis, MO

McMinn C, **Maples HD**. Assessment of Antimicrobial Allergy Labels on Prescribing Behavior and Outcomes in Pediatric Patients.

- June 2017: Poster Presentation, 8<sup>th</sup> Annual International Pediatric Antimicrobial Stewardship Conference, St. Louis, MO

Kumaran S, Mott J, Wisdom C, Huynh H, Lance C, Linam W, **Maples HD**. Healthcare-Associated Infections in the Pediatric Cardiovascular Intensive Care Unit.

- March 2017: Poster Presentation, SHEA Spring Meeting, St. Louis, MO

McMinn C, Lance C, Mott J, Wisdom C, Honeycutt M, Han J, **Maples HD**. Bacterial Resistance and Antibigrams: A 30 Year History in a Children's Hospital.

- March 2017: Poster Presentation, SHEA Spring Meeting, St. Louis, MO

Lance C, Bai S, **Maples HD**, Khan M, Harik N, Li J, Weiss D. Antibiotic Therapy in Patients with Necrotizing Enterocolitis in the Neonatal Intensive Care Unit: A Quality Improvement Project.

- October 2016: Poster Presentation, ID Week, New Orleans, LA

## SCHOLARSHIP, RESEARCH, OTHER CREATIVE WORK (continued)

Lance C, Bai S, **Maples HD**, Khan M, Harik N, Li J, Weiss D. Assessment of Antibiotic Use in Patients with Non-Surgical Necrotizing Enterocolitis in the Neonatal Intensive Care Unit: A Quality Improvement Project.

- June 2016: Poster Presentation, 7<sup>th</sup> Annual Pediatric Antimicrobial Stewardship Conference, Kansas City, MO

Patel, K, O'Brien C, Harik N, **Maples HD**. Efficacy of Lower Vancomycin Trough Serum Concentrations in Pediatric Patients with *Staphylococcus aureus* Bacteremia.

- June 2014: Platform Presentation, 5<sup>th</sup> Annual International Pediatric Antimicrobial Stewardship Conference, Kansas City, MO

McCaleb R, **Maples H**, Warren R, Willis D, O'Brien CE. Respiratory Cultures of Trach Dependent Children.

- December 2013: Poster Presentation, American Society of Health-System Pharmacists, Midyear Clinical, Orlando, FL

Garlick J, Linam M, **Maples H**, Furlong-Dillard J, Swearingen C, Brown A, Green J. The Use of Antimicrobials in Respiratory Disease in a PICU.

- January 2013: Poster Presentation, Society of Critical Care Medicine's 42<sup>nd</sup> Critical Care Congress, San Juan, Puerto Rico.

McCaleb R, **Maples H**, Warren R, Willis D, O'Brien CE. Respiratory Cultures of Trach Dependent Children.

- October 2012: Poster Presentation, Enriching the Care of the Child with Complex Medical Needs Conference, Des Moines, Iowa.

Crumby AS, Ottoson L, Stinnett A, **Maples HD**, DeHart R, Jones K, O'Brien CE. Use of anti-anxiety medications, antidepressants, and stimulants among students in a college of pharmacy.

- July 2011: Poster Presentation, 2011 AACP Annual Meeting, San Antonio, TX.

Jones K, **Maples HD**, O'Brien C. Implementation and Effectiveness of a Structured Debate in Advanced Pharmacy Practice Experiences.

- July 2011: **Poster Presentation**, 2011 AACP Annual Meeting, San Antonio, TX.

Crumby AS, **Maples HD**, Stovall SH, O'Brien CE. Evaluation of meropenem use among patients in the intensive care and hematology/oncology units at a pediatric hospital.

- March 2011: **Platform Presentation**, 2011 PPAG Annual Meeting, Memphis, TN.

Crumby AS, **Maples HD**, Thrailkill K, Stovall S. Tenofovir-associated nephrotoxicity reversed in a pediatric HIV patient upon discontinuation of the antiretroviral medication.

- December 2010: **Poster Presentation**, 45<sup>th</sup> ASHP Midyear Clinical Meeting, Anaheim CA.

Com G, **Maples HD**, Beavers T, Harik N. Epidemiology of *Staphylococcus aureus* Respiratory Infections in Pediatric Patients with Cystic Fibrosis.

- October 2010: **Poster Presentation**, 24<sup>rd</sup> Annual North American Cystic Fibrosis Conference, Baltimore, Maryland.

## SCHOLARSHIP, RESEARCH, OTHER CREATIVE WORK (continued)

Crumby A, O'Brien C, **Maples HD**. Effect of multi-drug resistant gram-negative organisms on lung function in cystic fibrosis patients.

- April 2010: **Platform Presentation**, Pediatric Pharmacy Advocacy Group Specialty Meeting, Salt Lake City, Utah.

McLain S, O'Brien CE, **Maples HD**. Medication adherence in adolescents and young adults post-liver and renal transplant: Self-reported barriers and strategies for improvement.

- April 2010: **Platform Presentation**, Pediatric Pharmacy Advocacy Group Specialty Meeting, Salt Lake City, Utah.

**Maples HD**, Curtis T, Stovall SH. Impact of an Education Based Approach to Antimicrobial Stewardship in a Pediatric Hospital.

- October 2009: **Poster Presentation**, Infectious Disease Society of America 47<sup>th</sup> Annual Meeting Philadelphia, PA.

**Maples HD**, Beavers-May TK, Juretschko S, Meredith-Neve SM, Hickerson WL, Stovall SH. Utilization of Multiple Combination Bactericidal Testing and Evaluation of Time to Appropriate Therapy During an *Acinetobacter baumannii* Outbreak in a Burn Center.

- June 2008: **Poster Presentation**, American Society for Microbiology Meeting Boston, MA.

Juretschko S, Beavers-May TK, **Maples HD**, Bennett TD, Stovall SH. AmpC type B-lactamase *Enterobacter cloacae* Causing Neonatal Meningitis.

- June 2008: **Poster Presentation**, American Society for Microbiology Meeting Boston, MA.

Beavers-May TK, Juretschko S, **Maples HD**, Stovall SH. Interventional Microbiology: Utility of the BD EpiCenter™ and Sentinel™ in Management of *Staphylococcus aureus* in Pediatric Hospitalized Patients.

- June 2008: **Poster Presentation**, American Society for Microbiology Meeting Boston, MA.

Juretschko S, Beavers-May TK, **Maples HD**, Parrett M, Hemphill C, Stovall SH. Discrepancies in Vancomycin MIC values for *Staphylococcus aureus* between Vitek 2, BD Phoenix and Etest®.

- May 2007: **Poster Presentation**, American Society for Microbiology Meeting Toronto, Canada.

Bohannon N, **Maples HD**. "Antibiotic Treatment Evaluation of *Staphylococcus aureus* in a Pediatric Hospital."

- April 2007: **Platform Presentation**, Pediatric Pharmacy Advocacy Group Specialty Meeting Lubbock, Texas.

**Maples HD**, West DS, Hubbard C, Stowe CD. Student Use of Personal Digital Assistants on Senior Pediatric Clinical Clerkships. *Pharmacotherapy*. 2003;23:417 (ABSTRACT)

- April 2003: **Poster Presentation**, American College of Clinical Pharmacy Palm Springs, CA

## SCHOLARSHIP, RESEARCH, OTHER CREATIVE WORK (continued)

**Maples HD**, James LP, Stowe CD, Chesney R, Christensen M, Blumer J, Wilson J, Wells TG, Kearns G. Pharmacokinetics of famotidine in children and adolescents with chronic renal failure. *Clinical Pharmacology and Therapeutics*. 2002;71:P4. (ABSTRACT)

- March 2002: **Platform and Poster Presentation**, American Society of Clinical Pharmacology and Therapeutics Annual Meeting, Atlanta, GA

### Presentation of Original Research at Regional Meetings (Reviewed)

Matherne E, Gaspar A, Marrero E, Vijayan V, Mott J, **Maples HD**. Evaluation of Infections and Antibiotic Resistance in a Pediatric Intensive Care Unit.

- February 2018: Platform Presentation, Southern Society for Pediatric Research  
New Orleans, LA

Mott J, Harik N, Linam W, McMinn C, **Maples HD**. Evaluation of Outcomes for Extended Interval Gentamicin Dosing in Children with Tularemia.

- February 2017: Poster Presentation, Southern Society for Pediatric Research  
New Orleans, LA

McCaleb R, **Maples HD**, Warren R, Willis D, O'Brien CE. Retrospective analysis of respiratory cultures of individuals with neurodisabilities who are tracheostomy dependent.

- February 2012: Platform Presentation, Southern Society for Pediatric Research  
New Orleans, LA

Barham J, O'Brien C, **Maples HD**. Impact of Chronic Inhaled Tobramycin on Incidence of Tobramycin Resistant *Pseudomonas aeruginosa* in Cystic Fibrosis. *Journal of Investigative Medicine*. 2010;58:484. (ABSTRACT)

- February 2010: **Platform Presentation**, Southern Society for Pediatric Research  
New Orleans, LA

Muldrew K and **Maples HD**. Pharmacokinetics of Linezolid in Two Patients with Major Thermal Injury Receiving Continuous Venovenous Hemofiltration.

- November 2009: **Platform Presentation**, Southern Regional Burn Conference, Shreveport, LA.

McCastlain D, Beavers-May TK, **Maples HD**. Cystic Fibrosis Colonization with the Unusual Plant Pathogen, *Rhizobium radiobacter*. *Journal of Investigative Medicine*. 2009;57:409. (ABSTRACT)

- February 2009: **Platform Presentation**, Southern Society for Pediatric Research  
New Orleans, LA

Inman RA, Beavers-May TK, Harik N, **Maples HD**. Emergence of Linezolid-Resistant *Staphylococcus aureus* in Cystic Fibrosis. *Journal of Investigative Medicine*. 2009;57:339. (ABSTRACT)

- February 2009: **Poster Presentation**, Southern Society for Pediatric Research  
New Orleans, LA

**Maples HD**, Stowe CD, James LC, Darville T. Evaluation of Short Course Direct Observational Therapy in Pediatric HIV Patients. *Journal of Investigative Medicine*. 2004;52:S215.

- February 2004: **Platform Presentation**, Southern Society of Pediatric Research Meeting  
New Orleans, LA



## **SCHOLARSHIP, RESEARCH, OTHER CREATIVE WORK (continued)**

**Maples HD**, Darville T, Stowe CD. Evaluation of Trizivir® in pediatric HIV patients. *Journal of Investigative Medicine*. 2003;51:S308. (ABSTRACT)

- February 2003: **Platform Presentation**, Southern Society of Pediatric Research Meeting  
New Orleans, LA

### **Presentation of Original Research at Local Meetings**

Beene C, Matherne E, Burrell K, **Maples H**. Assessment of Vancomycin Trough vs AUC as a Predictor for acute Kidney Injury Without Other Nephrotoxic Agents.

- March 2019; **Poster Presentations**, UAMS Student Research Day, Little Rock, AR

Boggs K, **Maples HD**, O'Brien C. Effect of Appetite Suppressing Medication Use on Nutritional Status and Need for Nutritional Intervention in Cystic Fibrosis Patients

- June 2012: **Platform Presentation**, VA Residency Research Conference, Little Rock, AR

Norman S, O'Brien C, **Maples HD**. IV or No IV: Eradication of *Pseudomonas aeruginosa* in Pediatric Cystic Fibrosis Patients.

- October 2010: **Poster Presentation**, AAHP Annual Meeting, Little Rock, AR.

Inman RA, Beavers-May TK, Harik N, **Maples HD**. Emergence of Linezolid-Resistant *Staphylococcus aureus* in Cystic Fibrosis.

- April 2010: **Poster Presentation**, UAMS COP Research Day  
Little Rock, AR.

Gentry M, Muldrew K, **Maples HD**. Impact of Azithromycin on Time to Inducible Clindamycin Resistance of *Staphylococcus* in CF.

- June 2009: **Platform Presentation**, VA Residency Research Conference,  
Little Rock, AR.

Thomas N., Muldrew K, **Maples HD**. The Impact of MRSA on FEV1 in Pediatric CF Patients.

- June 2009: **Platform Presentation**, VA Residency Research Conference,  
Little Rock, AR.

### **Scholarship Honors and Awards**

- Rho Chi Society Membership 2012
- Southern Society of Pediatric Research Young Faculty Award 2004
- Southern Society of Pediatric Research Trainee Travel Award 2003
- ASCPT Presidential Trainee Award 2002

### **Professional Development: Scholarship**

October 2021	ID Week, Virtual
June 2021	Pediatric Antimicrobial Stewardship Conference, Virtual
October 2020	ID Week, Virtual
May 2019	Pediatric Antimicrobial Stewardship Conference, St. Louis, MO
June 2018	Pediatric Antimicrobial Stewardship Conference, St. Louis, MO
June 2017	Pediatric Antimicrobial Stewardship Conference, St. Louis, MO
March 2017	SHEA Antimicrobial Stewardship Training Track, St. Louis, MO
October 2016	ID Week, New Orleans, LA
June 2016	Pediatric Antimicrobial Stewardship Conference, Kansas City, MO

## **SCHOLARSHIP, RESEARCH, OTHER CREATIVE WORK (continued)**

October 2015	ID Week, San Diego, CA
June 2015	Pediatric Antimicrobial Stewardship Conference, Kansas City, MO
April 2015	ACCP: Updates in Therapeutics: Pediatric Pharmacy Prep Course
June 2014	Pediatric Antimicrobial Stewardship Conference, Kansas City, MO
October 2013-present	MAD- ID Antimicrobial Stewardship Certification
June 2013	Pediatric Antimicrobial Stewardship Conference, Kansas City, MO
October 2012	Pre-Meeting Workshop, Antimicrobial Stewardship, Infectious Diseases Society of America (IDSA) Annual Meeting, San Diego, CA
June 2012	Pediatric Antimicrobial Stewardship Conference, Kansas City, MO
June 2011	Pediatric Antimicrobial Stewardship Conference, Kansas City, MO
June 2010	Pediatric Antimicrobial Stewardship Conference, Kansas City, MO
October 2008	Monitoring, Evaluating, and Managing Antimicrobial Use in Hospitals Workshop. 48 <sup>th</sup> Annual IDSA/ICCAC Meeting. Washington D.C.
December 2007	17 <sup>th</sup> Annual Professional Development Day: Sponsored by the UAMS COM and the Women's Faculty Development Caucus
April 2006	ABLE MIC and PK/PD for Targeting Antimicrobial Therapy in Critical Care <ul style="list-style-type: none"><li>• 3 day workshop (Lecture and Lab) in Stockholm, Sweden</li><li>• I was one of 45 attendees who were invited from 26 different countries</li><li>• Conference was team based (physician, microbiologist, pharmacist)</li></ul>
2003-2013	Pharmacology/Toxicology Journal Club, UAMS Colleges of Pharmacy and Medicine (monthly)
2002-present	Infectious Disease Journal Club, UAMS College of Medicine (weekly)
Spring 2002	Advanced Statistics (EDFN 8305) Course Instructor: Robert Kennedy, Professor of Education Leadership University of Arkansas at Little Rock Graduate School, Little Rock, Arkansas
Fall 2001	Basic Statistical Concepts (EDFN 7304) Course Instructor: Candace Burns, Professor of Educational Foundations University of Arkansas at Little Rock Graduate School, Little Rock, Arkansas

## **SERVICE**

### **International Level Service**

2018-2020 **Member**, Antimicrobial Resistance in Cystic Fibrosis Working Group.

### **National Level Service**

2021-present **Continuing Education Reviewer**, Children's Hospital Association (CHA)

2018-2020 **Member**, CDC/ Pew Charitable Trust: Inpatient Antibiotic Prescribing: Reaching a National Goal for Reducing Inappropriate Use Committee.

2016-2017 **Member**, American Society of Health-System Pharmacists (ASHP) Antimicrobial Taskforce.

2013-2021 **Expert Panelist**, American Society of Health-System Pharmacists (ASHP) Clinical Practice Guideline Revision 2014: Therapeutic Monitoring of Vancomycin: A Consensus Review of the American Society of Health-System Pharmacists, Infectious Disease Society of America, Society of Infectious Disease Pharmacists, Pediatric Infectious Disease Society.

## **SERVICE (continued)**

- 2012-2017            **Judge and Case Reviewer**, American Society of Health-System Pharmacists (ASHP) Clinical Skills Competition
- 2010-2020            Pediatric Infectious Disease Society (PIDS)  
**Member**, Antimicrobial Stewardship Program Steering Committee  
**Leader**, Education Subcommittee (2010-2015)
- 2003-2010            Pediatric Pharmacy Advocacy Group (PPAG)  
Journal Advisory Board **Member**, *Journal of Pediatric Pharmacology and Therapeutics*
- 2007-2009            American Association of College of Pharmacy (AACCP) Council of Faculty
- **Delegate**, 2008-2009
  - **Alternate Delegate**, 2007-2008
- 2007-2008            Pediatric Pharmacy Advocacy Group (PPAG)  
**Chair**, Education Committee, 2008 Spring Meeting
- 2005-2006            Pediatric Pharmacy Advocacy Group (PPAG)  
**Member**, Education Committee, 2006 Annual Meeting

### **State Level Service**

- 2018-present        **Member**, Regional Outpatient Antimicrobial Stewardship
- 2017-present        **Member**, Arkansas Health Department's Antibiotic Stewardship Sub-committee
- 2017-2020            **Member**, Arkansas Hospital Association's Sepsis Collaborative
- 2013-2014            **Member**, AR-ACCP and Health Department Collaborative for State-wide Antimicrobial Stewardship
- **Chair**, Arkansas Antimicrobial Stewardship Meeting  
Little Rock, AR  
Nov 7, 2013
- 2005-2018            **Member**, Arkansas Medicaid Retrospective DUR Committee  
Health Information Designs, Inc.
- Review profiles monthly and attend meeting monthly.

### **University Level Service**

- 2015                    **Member**, UAMS COP Dean Search Committee

### **College Level Service**

- 2020-2021            **Member**, Curriculum Self-study Committee
- **Section Co-Lead**: Student Affairs
- 2020                    **Member**, UAMS COP Associate Dean for Academic Affairs Search Committee
- 2012-2015            **Member**, Continuing Pharmacy Education Committee
- 2012-2013            **Member**, 2013 Self Study Leadership Committee
- 2012-2014            **Member**, Assessment Committee

## **SERVICE (continued)**

2010-2014	<b>Member</b> , Student Retention ad hoc committee
2005-2020	<b>Member</b> , Scholastic Standing Committee <ul style="list-style-type: none"><li>• <b>Chair</b>, 2011-2015</li><li>• <b>Chair</b>, 2018- 2020</li></ul>
2005-2010	<b>Member</b> , Curriculum Committee
2004-2008, 2019-present	<b>Member</b> , Student Research Committee <ul style="list-style-type: none"><li>• <b>Chair</b>, 2005-2008</li></ul>
2002-2003	<b>Reviewer</b> , Non-Traditional Pharm.D. Therapeutics Exam Review Committee
2006-2007	<b>Member</b> , Curriculum Self-study Committee
2005-2006	<b>Member</b> , Faculty Recruitment Committee <ul style="list-style-type: none"><li>• <b>Chair</b>, UAMS COP/ Arkansas Children's Hospital Burn Center Position Search Committee</li></ul>

## **Department Level Service**

2017-2019	<b>Member</b> , Residency Review Committee
2016-2017	<b>Member</b> , Grievance Panel Procedures Revision ad hoc committee
2016-2017	<b>Member</b> , MICU Search Committee
2012-2019	<b>Co-Course Coordinator</b> , PhSc 4642, Clinical Pharmacokinetics
2020-present	<b>Course Coordinator</b> , PhSc 4642, Clinical Pharmacokinetics
2011-2013	<b>Member</b> , Residency Development Program ad hoc committee
2010-present	<b>Evaluator</b> , Therapeutics Recitation Residency Teaching Experience
2009- present	<b>Course Coordinator</b> , PPHR 5472 PBL Pediatric Therapeutics (elective)
2009	<b>Evaluator</b> , Third Annual CAVHS Residency Research Conference
2006-present	<b>Teaching Evaluator</b> , PPHR 5635 Therapeutics II Recitation Instructors
2001- present	<b>Case Writer and Evaluator</b> , Pharmaceutical Care Encounters Program

## **Arkansas Children's Service**

2021-present	<b>Chair</b> , Antimicrobial Stewardship Steering Committee (Children's Entity)
2019-present	<b>Member</b> , UTI Pathway Workgroup
2019-present	<b>Member</b> , Community Acquired Pneumonia Pathway Workgroup
2019-present	<b>Member</b> , Sepsis Collaborative (ED, Inpatient, PICU, CVICU, Hem/Onc) <ul style="list-style-type: none"><li>• 2021-present ACH IPSO Pharmacy Champion-</li></ul>
2019-present	<b>Member</b> , Pharmacy and Therapeutics Committee
2017-2018	<b>Chair</b> , Antimicrobial Stewardship QI Research Committee
2017-2020	<b>Member</b> , Healthcare advisory committee for catheter-associated urinary tract infections (CAUTI)
2017-2020	<b>Member</b> , Healthcare advisory committee for Surgical-site infections (SSI)
2015-present	<b>Member</b> , Infection Prevention Committee
2010-2011	<b>Member</b> , Patient Safety Steering Committee

## **SERVICE, continued**

2009-2012	<b>Member</b> , Medication Management for Continuous Survey Readiness
2008-2010	<b>Member</b> , Arkansas Center for Technology Dependent Children (ACRTDC)
2008-2011	<b>Member</b> , Anticoagulation Policy Committee
2007-2010	<b>Co-chair</b> , Drug Level Collection Policy Committee
2006-2016	<b>Member</b> , CF Leadership Team Committee
2005-2016	<b>Member</b> , CF Inpatient Steering Group
2007	<b>Co-Coordinator</b> , Arkansas Children's Microbiology/Pharmacy Workshop
2005-2010	<b>Member</b> , Medication Safety Committee

### **Continuing Education Presentations**

August 2021	Babies, Bugs, and Drugs: What the neonates gut is telling us about antibiotic stewardship Chicagoland Critical Care Conference, Virtual
June 2021	Literature Support for Antimicrobial Stewardship Programs Rana Hamdy and Holly Maples Pediatric Antimicrobial Stewardship Annual Conference, Virtual
April 2021	Antimicrobial Stewardship in Arkansas: Treatment Strategies in Pediatric CAP and UTI's UAMS College of Medicine/Arkansas Children's Hospital Pediatric Infectious Disease Update, Virtual
October 2020	Vancomycin for Invasive Staphylococci: Do We Hold Fast of Jump Ship? Mano a Mano VI- Pediatric Infectious Disease Holly Maples, Pharm.D. & Sarah Parker, MD IDSA Meeting-Virtual
September 2019	Should I Change How I Monitor Vancomycin? The Debate Over Vancomycin Trough vs AUC Monitoring. Holly Maples and Karisma Patel Pediatric Pharmacy Advocacy Group Fall Meeting, Lexington, KY
May 2019	Literature Support for Antimicrobial Stewardship Programs David Hyun and Holly Maples Pediatric Antimicrobial Stewardship Annual Conference, St. Louis, MO
February 2019	Antimicrobial Stewardship in Neonates: What does Nursing have to do with it? 1 <sup>st</sup> Annual Neonatal Nursing Summit Meeting, Little Rock, AR
June 2018	Literature Support for Antimicrobial Stewardship Programs David Hyun and Holly Maples Pediatric Antimicrobial Stewardship Annual Conference, St. Louis, MO
September 2017	Bugs, Drugs and Resistance: An Update on Antimicrobial Stewardship at Arkansas Children's Hospital Pharmacists ACPE CE (1hr) at ACH
June 2017	Literature Support for Antimicrobial Stewardship Programs David Hyun and Holly Maples Pediatric Antimicrobial Stewardship Annual Conference, St. Louis, MO

## **SERVICE, continued**

- April 2017                    Antimicrobial Challenges: An Arkansas Perspective 1978-Present  
UAMS College of Medicine/Arkansas Children’s Hospital Pediatric Infectious Disease  
Update, Big Cedar Lodge, Ridgedale, MO
- June 2016                    Literature Support for Antimicrobial Stewardship Programs  
David Hyun and Holly Maples  
Pediatric Antimicrobial Stewardship Annual Conference, Kansas City, MO
- April 2016                    Hot Topics in Pediatric Antimicrobial Stewardship  
UAMS College of Medicine/Arkansas Children’s Hospital Pediatric Infectious Disease  
Update, Big Cedar Lodge, Ridgedale, MO
- September 2015            Pediatric Infectious Diseases Board Preparation  
PPAG Fall Meeting, Houston TX
- September 2015            Update in Infectious Disease: Antibiotic Consideration in the Pediatric Population  
2015 Fall Distance Learning Experience  
University of Wisconsin-Madison School of Pharmacy CE Series
- June 2015                    Literature Support for Antimicrobial Stewardship Programs  
David Hyun and Holly Maples  
Pediatric Antimicrobial Stewardship Annual Conference, Kansas City, MO
- May 2015                    Pediatric Infectious Diseases Board Preparation  
Presented in combination with Kristin Kein, Pharm.D. FPPAG  
PPAG Spring Meeting, Minneapolis, MN
- April 2015                    Antimicrobial Stewardship in the Pediatrician’s Office  
UAMS College of Medicine/Arkansas Children’s Hospital Pediatric Infectious Disease  
Update, Big Cedar Lodge, Ridgedale, MO
- February 2015              Hospital Story- Arkansas Children’s Hospital Antimicrobial Stewardship Program  
Arkansas Association of Health-System Pharmacists: Pharmacist-Led Collaborative for  
Antimicrobial Stewardship
- June 2014                    Pharmacotherapeutics: Antimicrobial Stewardship and Emerging Resistance Patterns.  
Arkansas Children’s Hospital Advanced Practice Nurse Practitioner’s Conference
- June 2014                    Future of Vancomycin in Pediatrics: AUC/MIC or Trough  
Pediatric Antimicrobial Stewardship Annual Conference, Kansas City, MO
- June 2014                    Literature Support for Antimicrobial Stewardship Programs  
David Hyun and Holly Maples  
Pediatric Antimicrobial Stewardship Annual Conference, Kansas City, MO
- May 2014                    Putting Together the Nuts and Bolts of Pediatric Antimicrobial Stewardship  
(2 hour workshop) Leader: David Hyun Co-Leaders: Holly Maples, Cecilia Di Pentima,  
Jason Newland, and Debra Palazzi.  
Pediatric Academic Societies Annual Meeting, Vancouver, Canada.

## **SERVICE, continued**

- May 2014                      Balancing Vancomycin Troughs and Nephrotoxicity: What should we be aiming for?  
Pediatric Academic Societies' & Asian Society for Pediatric Research Joint Meeting,  
Vancouver, Canada
- December 2013                Brave New World-Antimicrobial Stewardship Strategies in Pediatrics  
American Society for Health Systems Pharmacists Midyear 2013 Meeting, Orlando, FL
- November 2013                TBL Workshop: Developing the Infrastructure of an Antimicrobial Stewardship  
Collaborative in Arkansas. (1.5 hours)  
Arkansas Antimicrobial Stewardship Conference: Developing a Collaborative Approach
- June 2013                      Pediatric PK/PD Challenges in Antimicrobial Stewardship  
Pediatric Antimicrobial Stewardship Annual Conference, Kansas City, MO
- June 2013                      Literature Support for Antimicrobial Stewardship Programs  
David Hyun and Holly Maples  
Pediatric Antimicrobial Stewardship Annual Conference, Kansas City, MO
- May 2013                        Pediatric PK/PD Applications  
MAD-ID: Making a Difference in Infectious Diseases Pharmacotherapy Annual Meeting,  
Orlando, FL
- May 2013                        Beyond the Basics: Advanced Steps for Antibiotic Stewardship  
(3 hour workshop) Leader: Debra Palazzi Co-Leaders: Holly Maples, Cecilia DiPentima,  
David Hyun, Jason Newland, Lisa Saiman.  
Pediatric Academic Societies Annual Meeting, Washington DC.
- June 2012                        Antimicrobial Stewardship Pharmacy Pearls  
Pediatric Antimicrobial Stewardship Annual Conference, Kansas City, MO
- May 2012                        Literature Support for Antimicrobial Stewardship Programs  
David Hyun and Holly Maples  
Pediatric Antimicrobial Stewardship Annual Conference, Kansas City, MO
- May 2012                        Bugs, Drugs, And Resistance: Strategies for Treatment and Prevention  
UAMS College of Medicine/Arkansas Children's Hospital Pediatric Infectious Disease  
Update, Big Cedar Lodge, Ridgedale, MO
- April 2012                        Managing Drugs and Bugs: How every physician can be an antibiotic steward  
(3 hour workshop) Leader: David Hyun Co-Leaders: Holly Maples, Adam Hersh, Katie  
Namtu, Jason Newland, Debra Palazzi, Lisa Saiman.  
Pediatric Academic Societies Annual Meeting, Boston, MA.
- April 2012                        Mechanisms of Antibiotic Resistance & Strategies for Prevention Workshop  
Pediatric Pharmacy and Advocacy Group Annual Meeting, Houston, TX
- April 2012                        Pharmacokinetic Parameters: Effective and Appropriate Antibiotic Prescribing  
Arkansas Nurses Association Pharmacotherapeutic Seminar, Little Rock, AR

## **SERVICE, continued**

- April 2012                      How Did We Get Here? Antibiotic Resistance  
Arkansas Nurses Association Pharmacotherapeutic Seminar, Little Rock, AR
- March 2012                      Antimicrobial Stewardship: A Team Sport- The role of the microbiology lab as the point guard!  
Pre-meeting workshop: South Central Association for Clinical Microbiology (SCACM)  
Indianapolis, IN
- October 2011                    *Pushing the Limits: Aggressive Infectious Disease Strategies in Pediatric Patients*  
American College of Clinical Pharmacy Annual Conference  
Pittsburgh, PA
- May 2011                        Facing the Resistance Challenge in Respiratory Care.  
UAMS College of Medicine/Arkansas Children's Hospital Respiratory Care Services  
The Diamond Conference, Little Rock, AR
- April 2011                        Immunizations: A Pharmacology Review of the Latest Immunization Schedules  
Arkansas Nurses Association Pharmacotherapeutic Seminar, Little Rock, AR
- April 2011                        Hot Topics in Immunizations: Where are we in Arkansas and in the Nation  
Arkansas Nurses Association Pharmacotherapeutic Seminar, Little Rock, AR
- April 2011                        Antimicrobials and Resistance: Looking Beyond Generation X, Y, and Z.  
UAMS College of Medicine/Arkansas Children's Hospital Pediatric Infectious Disease  
Update, Big Cedar Lodge, Ridgedale, MO
- October 2010                    Containing Antimicrobial Resistance: What Can We Learn From BP's Oil Experience?  
44<sup>th</sup> Annual Fall Seminar, Arkansas Association of Health-System Pharmacists.  
Little Rock, AR
- October 2010                    Facing the Resistance Challenge in Arkansas: Case Application and Review.  
44<sup>th</sup> Annual Fall Seminar, Arkansas Association of Health-System Pharmacists.  
Little Rock, AR
- June 2010                        Where's the Plumber? Overflowing Resistance with a Dripping Antibiotic Pipeline.  
Arkansas Association of Health System Pharmacists / Arkansas Pharmacists Association  
128<sup>th</sup> Annual Convention, Fort Smith, AR
- April 2010                        The Future of Antimicrobial Resistance: A 5 year, 10 year, and Lifetime Plan!!!  
UAMS College of Medicine/Arkansas Children's Hospital Pediatric Infectious Disease  
Update, Hot Springs, AR
- September 2009  
And April 2010                    Developmental and Disease State Pharmacology: Is Everyone Created Equal?  
Arkansas Nurses Association Pharmacotherapeutic Seminar, Little Rock, AR
- September 2009  
And April 2010                    Antibiotic Resistance in 2015: Can we change the future?  
Arkansas Nurses Association Pharmacotherapeutic Seminar, Little Rock, AR



## **SERVICE, continued**

- April 2009            Where's the Plumber? Overflowing Resistance with a Dripping Antibiotic Pipeline.  
UAMS College of Medicine/Arkansas Children's Hospital Pediatric Infectious Disease  
Update, Big Cedar Lodge, Ridgedale, MO
- March 2009            Antimicrobial Stewardship: Nuisance or Necessity?  
24<sup>th</sup> Symposium on Critical Care and Emergency Medicine  
Sponsored by UAMS and UT Medical Centers, Hot Springs, AR
- March 2009            Antimicrobial Stewardship Update  
Arkansas Children's Hospital Pharmacy and Therapeutics Committee, Little Rock, AR
- May 2008             The HIV Pandemic: Where Are We and Where Are We Going?  
39<sup>th</sup> Western Michigan Society of Health-Systems Pharmacists Spring Seminar  
Grand Rapids, MI
- April 2008            MRSA in the ICUs: Creation of the Perfect Storm.  
Pediatric Pharmacy Advocacy Group (PPAG) Spring Meeting, Little Rock, AR
- January 2008         Updates in Microbiology & Pharmacology: Arkansas Children's Hospital Cystic Fibrosis  
Conference/ Arkansas Children's Hospital Grand Rounds, Little Rock, AR
- November 2007        Bench to Bedside: Teamwork Approach to Improve Patient Care  
Arkansas Children's Hospital Microbiology/Pharmacy Workshop  
Little Rock, AR
- November 2007        What To Do With All "R's": Multiple Combination Bactericidal Testing  
Workshop Lecture, Arkansas Children's Hospital Micro/Pharmacy Workshop  
Little Rock, AR
- June 2007            Give Me One More Shot!: An Immunization Review and Update  
Arkansas Pharmacist Association 125<sup>th</sup> Annual Convention, Rogers, AR
- September 2006      The War on Antimicrobial Resistance: Laying the Groundwork  
Pediatric Pharmacology Advocacy Group (PPAG) Annual Meeting  
San Francisco, CA
- April 2005            Pediatric ID: Pharmacology Hodgepodge  
UAMS College of Medicine/Arkansas Children's Hospital Pediatric Infectious Disease  
Update, Big Cedar Lodge, Ridgedale, MO

## **BD Diagnostics Continuing Microbiology Education**

- March 2014            Antimicrobial Stewardship vs. CRE: The War Continues  
1 hour live Webinar Session to approximately 1000 people online
- May 2012             Antimicrobial Stewardship: A Team Sport- The role of the microbiology lab as  
the point guard! Cleveland, OH (1 hour)
- May 2012             Antimicrobial Stewardship: A Team Sport- The role of the microbiology lab as  
the point guard! Chicago, IL (1 hour)

## **SERVICE, continued**

March 2010	Where's the Plumber? Overflowing Resistance with a Dripping Antibiotic Pipeline, Wilmington, OH (1 hour)
June 2009	Where's the Plumber? Overflowing Resistance with a Dripping Antibiotic Pipeline, Anaheim, CA (1 hour)
June 2009	Where's the Plumber? Overflowing Resistance with a Dripping Antibiotic Pipeline, Minneapolis, MN (1 hour)
March 2008	Antibiotic Resistance: Surveillance and Intervention in Practice Greensboro, NC (1 hour)
March 2008	Antibiotic Resistance: Surveillance and Intervention in Practice Dallas, TX (1 hour)
April 2008	Antibiotic Resistance: Surveillance and Intervention in Practice Telecommunication Presentation to BD Sales Staff (1 hour)
June 2008	Antibiotic Resistance: Surveillance and Intervention in Practice BD Diagnostics Booth Presentation at the 108th American Society for Microbiology Meeting, Boston, MA (1 hour)

### **Pfizer Sponsored Continuing Pharmacist Education**

February 2007	Treatment of MRSA Infections Update Jonesboro, AR (1 hour)
January 2007	Treatment of MRSA Infections Update Little Rock, AR (1 hour)

### **UAMS Sponsored Continuing Pharmacist Education**

December 2011	Hot Topics in Immunizations 2012: Where are we in Arkansas and the Nation UAMS COP Last Chance CE, Little Rock, AR
December 2009	Immunizations: Reflecting on the past, dealing with the present, and facing the future. Little Rock, AR (2 hours)
November 2008	Antibiotic Resistance in the Community Setting: Creation of the Perfect Storm Helena, AR (2 hours)
December 2007	A Shot a Day...Keeps the Doctor Away!: An Immunization Review and Update Little Rock, AR (2 hours)  The HIV Pandemic: Where Are We and Where Are We Going? Little Rock, AR (1 hour)
September 2005	Past, Present, and Future: Anti-infectives and the Resistance Challenge Texarkana, AR (2 hours)
September 2002	Pediatric Pharmaceutical Care in the Community Setting Helena, AR (1 hour)

## **SERVICE, continued**

### **Other Continuing Pharmacist Education**

April 2013	Vancomycin TDM Arkansas Children's Hospital Pharmacists
October 2009	Antimicrobial Stewardship at ACH: Nuisance or Necessity? Arkansas Children's Hospital Pharmacy Staff (1 hour)

### **Service Honors and Awards**

August 2010	Crossing the Creek Award Arkansas Children's Hospital <ul style="list-style-type: none"><li>• Awarded to individuals that exceed expectations, going above and beyond and going the "extra mile"</li></ul>
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## **PROFESSIONAL AFFILIATIONS**

2016-present	Making a Difference in Infectious Disease (MAD-ID)
2013-present	Arkansas College of Clinical Pharmacy (AR-ACCP)
2011-present	American Academy of Pediatrics Affiliate member of SOCPT
2010-present	Pediatric Infectious Disease Society (PIDS)
2007-present	Arkansas Pharmacists Association (APA)
2005-2018	American Society for Microbiology (ASM)
2005-present	Society of Infectious Disease Pharmacists (SIDP)
2004-present	Southern Society for Pediatric Research (SSPR)
2003-present	American Association of Colleges of Pharmacy (AACCP)
2001-2010	American Society for Clinical Pharmacology and Therapeutics (ASCPT)
2000-present	Pediatric Pharmacy Advocacy Group (PPAG)
1999-present	American College of Clinical Pharmacy (ACCP) 2007-present: Full Member
1995-present	American Society of Health Systems Pharmacists (ASHP)

## **RELATED TRAINING CERTIFICATION**

August 2001-present	NIH-IRB investigator training Certification: Arkansas
October 2000-2002	Pediatric Advanced Life Support Provider
March 1999-2002	Basic Life Support Provider
November 2000-2001	NIH-IRB investigator training Certification: Michigan
April 1999-2001	Advanced Cardiac Life Support Provider
May 1999	Smoking Cessation Certification (Ohio)
May 1999	Immunization Delivery Certification (Ohio)

## **COMMUNITY SERVICE PROJECTS**

- Camp Hope: Pharmacist and Counselor. Camp For All, Burton TX July 14-19, 2019
- Camp Hope: Pharmacist and Counselor. Camp For All, Burton TX July 15-20, 2018
- Camp Hope: Pharmacist and Counselor. Camp For All, Burton TX July 16-21, 2017
- Camp Hope: Pharmacist and Counselor. Camp For All, Burton TX July 17-22, 2016
- Basketball coach: Holy Souls, 12<sup>th</sup> grade girls in the PUMC League, 2015-16
- Camp Hope: Pharmacist and Counselor. Camp For All, Burton TX July 19-24, 2015
- Basketball coach: Holy Souls, 11<sup>th</sup> grade girls in the PUMC League, 2014-15
- Volunteer Pharmacy Preceptor, Our House, August 25<sup>th</sup>, 2014
- Camp Hope: Pharmacist and Counselor. Camp For All, Burton TX July 20-25, 2014
- Basketball coach: Holy Souls, 10<sup>th</sup> grade girls in the PUMC League, 2013-14
- Camp Hope: Pharmacist and Counselor. Camp For All, Burton TX July 21-26, 2013
- Basketball coach: Holy Souls, 9<sup>th</sup> grade girls in the PUMC League, 2012-13
- Camp Hope: Pharmacist and Counselor. Camp For All, Burton TX July 15-20, 2012
- Camp Hope: Pharmacist and Counselor. Camp For All, Burton TX July 17-22, 2011
- Camp Hope: Pharmacist and Counselor. Camp For All, Burton TX July 18-23, 2010
- Basketball coach: Episcopal Collegiate Wildcats, 6<sup>th</sup> grade girls 2004-2005
- Softball coach: Highway 10 Co-ed League (6-9 year olds) 2003
- National Pharmacy Week 2000 Brown Bag at Spectrum Health, Grand Rapids, MI
- Speaking at area girls' high school basketball camps 1997-2000
- AWARE- Drug Abuse Education 1998