

**Bethany A. Wattles, PharmD, MHA**

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**EDUCATION**

8/2008-5/2010	Pre-Pharmacy Coursework, University of Kentucky, Lexington, KY
8/2010-5/2014	Doctor of Pharmacy, University of Kentucky College of Pharmacy, Lexington, KY
6/2014-6/2015	PGY1 Pharmacy Practice Residency, Norton Children's Hospital, Louisville, KY
7/2015-6/2016	PGY2 Critical Care Pharmacy Residency, Norton Children's Hospital, Louisville, KY
8/2018-8/2020	Executive Master of Health Administration, Western Kentucky University, Bowling Green, KY

**ACADEMIC APPOINTMENTS**

4/2021 - present	Assistant Professor Department of Pediatrics University of Louisville School of Medicine Louisville, KY
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**OTHER POSITIONS AND EMPLOYMENT**

6/2008 – 4/2013	Pharmacy Intern Baptist Health Lexington Lexington, KY
6/2014 – 6/2016	Staff Pharmacist Norton Children's Hospital Louisville, KY
7/2016 – 8/2017	Clinical Specialist – Pediatric Infectious Diseases and Antimicrobial Stewardship Norton Children's Hospital Louisville, KY
10/2017 – 10/2018	Pediatric Pharmacy Remote Resource Consultant LifePoint Health Nashville, TN
8/2017 – present	Clinical Research Pharmacist Department of Pediatrics Child and Adolescent Health Research Design and Support Unit (CAHRDS) University of Louisville School of Medicine Louisville, KY

**CERTIFICATION AND LICENSURE**

9/2012 - present	Immunization Certification,
6/2013 - present	Collaborative IRB Training Certification
6/2014 - present	Licensed Pharmacist (#017053), Kentucky Board of Pharmacy
Completed 6/2015	Teaching Certificate, University of Kentucky College of Pharmacy
Completed 4/2017	Antimicrobial Stewardship Certificate, Society of Infectious Diseases Pharmacists (SIDP)
Completed 8/2020	Basic Certificate in Quality and Safety, Institute for Healthcare Improvement (IHI)

**PROFESSIONAL MEMBERSHIPS AND ACTIVITIES*****Professional Memberships***

2010 – present	Kentucky Society of Health-System Pharmacists (KSHP)
2014 – 2018	Pediatric Pharmacy Association (PPA)
2017 – present	Sharing Antimicrobial Reports for Pediatric Stewardship Collaborative (SHARPS)
2017 – present	Society of Infectious Diseases Pharmacists (SIDP)
2018 – present	Pediatric Infectious Diseases Society (PIDS)

***Professional Leadership Activities***

2017 – present	Sharing Antimicrobial Reports for Pediatric Stewardship Collaborative (SHARPS) Outpatient Subgroup, 2020 – present Outpatient Benchmarking Subgroup, 2020 - present
2019 – present	Society of Infectious Diseases Pharmacists (SIDP) Stewardship Committee, 2019-2021 Policy & Government Affairs Committee, 2022-2023 Research Committee, 2023-present
2019 – present	Pediatric Infectious Diseases Society (PIDS) Education Committee, 2019-2024 Pediatric Committee on Antimicrobial Stewardship (PCAS), 2021-2023 Toolkit Subcommittee, 2021-present
2022	National Institutes of Health, National Institute on Minority Health and Health Disparities (NIMHD) Health Disparities Research Institute Scholar, August 2022
2023	Children’s Hospital Association Health Services Research Academy

***Community and Miscellaneous Service***

2018, 2021	Annual IDWeek Mentor
2018 – present	University of Kentucky College of Pharmacy, PharmD Candidate Interviewer
2020 – 2021	University of Louisville High School Teacher-Researcher Network
2021	Kentucky & Indiana Regional Junior Science and Humanities Symposium Judge
2021	Lexington-Fayette County Medical Reserve Corps, COVID-19 Vaccination Clinics

## COMMITTEE ASSIGNMENTS AND ADMINISTRATIVE SERVICES

### **Department of Pediatrics**

9/2020 - present	Executive Leadership Team, Child and Adolescent Health Research Design and Support Unit (CAHRDS)
10/2021 - present	Resident Research Oversight Committee
10/2021 - present	Child Health Equity Research Interest Group (CHERIG)

## EDUCATIONAL ACTIVITIES

### **TEACHING: Healthcare Professional Training**

11/2016	“Antimicrobial Stewardship Training”, Norton Children’s Hospital, Department of Pharmacy
2/2017	“Rapid Blood Culture Response Training”, Norton Children’s Hospital, Department of Pharmacy
2019-present	Acute Streptococcal Pharyngitis Treatment Training for KY Pharmacists, Home Study Module: “GAS Pharyngitis: Assessment and Guideline Recommended Treatments”, University of Kentucky College of Pharmacy
2019-present	Acute Streptococcal Pharyngitis Treatment Training for KY Pharmacists, Home Study Module: “Antibiotic Stewardship in the Community Setting”, University of Kentucky College of Pharmacy

### **TEACHING: Graduate/Professional Student Lectures**

3/2015	CON 927: Pediatric Drug Therapy for Critical Care, “Toxicologic Emergencies in Children”, University of Kentucky College of Nursing
3/2015	PCAS 617: Pediatric Pharmacotherapy, <i>Pediatric Medical Resuscitation</i> , Sullivan University College of Pharmacy
4/2016	CON 927: Pediatric Drug Therapy for Critical Care, <i>Toxicologic Emergencies in Children</i> , University of Kentucky College of Nursing
1/2017	PHR 6402: Pharmacotherapeutics III, <i>Antimicrobial Stewardship</i> , Sullivan University College of Pharmacy
2/2017	PHR 6402: Pharmacotherapeutics III, <i>Pediatric Infectious Diseases</i> , Sullivan University College of Pharmacy
2/2017	PHR 6820: Pediatric Pharmacotherapy, <i>Pediatric Infectious Diseases</i> , Sullivan University College of Pharmacy

### **TEACHING: Medical Trainees**

10/2015	“Renal Pharmacology”, University of Louisville Department of Pediatrics, Pediatric Critical Care Fellows Conference
4/2016	“Antiviral Therapy”, University of Louisville Department of Pediatrics, Pediatric Infectious Diseases Fellow Board Review

### **PRECEPTING**

2017	Preceptor, Infectious Diseases Rotation, PGY1 Pediatric Pharmacy Practice Residency, Norton Children’s Hospital, Department of Pharmacy
2017	Preceptor, Infectious Diseases Rotation, PGY2 Critical Care Residency, Norton Children’s Hospital, Department of Pharmacy

- 2017 Preceptor, Pediatric Infectious Diseases Rotation, PGY2 Infectious Diseases Pharmacy Residency, Norton Healthcare, Department of Pharmacy
- 2017 Preceptor, Pediatric Infectious Diseases Rotation, PGY2 Oncology Residency, Norton Children's Hospital, Department of Pharmacy

### GRANTS (see CONTRACTS for additional funding)

#### Past

1. **Wattles BA**, Jawad K, Feygin Y, Smith MJ. (2021) A cross-sectional analysis of inappropriate outpatient antibiotic use in children insured by KY Medicaid. Merck Investigator Studies Program (#59273), 2/2020 through 1/2021, \$66,446.06, (PI, 10% effort)
2. **Wattles BA**, Stahl JD, Head RJ, Stevenson MD, Jawad K, Feygin Y, Smith MJ. Changes in Pediatric Outpatient Antibiotic Prescribing Practices Through the COVID-19 Pandemic and Associated Telehealth Visits: A Historical Control Study. Merck Investigator Studies Program (#60356), 11/2020 through 3/2022, \$113,835.68, (role: PI, 20% effort)
3. **Wattles BA**. Antibiotic Stewardship for High School Students. (2021) Society for Infectious Diseases Pharmacists, Educational Grant (#OGMB210640), \$1,864 (materials only, role: PI)

#### Current

1. **Wattles BA**, Jawad K, Feygin Y, Smith MJ. The impact of a provider feedback intervention on inappropriate antibiotic prescribing in Kentucky children: An interrupted time series analysis. Merck Investigator Studies Program (#60330), 11/2020 through 6/2022, \$92,589.45 (role: PI, 15% effort)
2. Latana M, Kilgore J, Willis J, Evans J, **Wattles BA**, Smith MJ. Development and validation of a statewide Medicaid provider feedback dashboard for outpatient antibiotic prescribing to children, 9/30/2022 through 12/31/2024, \$374,916, (role: Co-I, 10% effort)

### CONTRACTS

1. Davis, D.W., Woods, C., Lohr, W.D., Smith, M., Stevenson, M., Myers, J., Feygin, Y., Le, J., Williams, P.G., Jones, V.F., Pasquenza, N. (2017-18). Safeguarding medication use and improving care delivery for children receiving Kentucky Medicaid. Kentucky Medicaid, \$989,176; July 1, 2017 through June 30, 2018, 100% effort (50% cost-share), role: co-investigator.
2. Davis, D.W., Smith, M., **Wattles, B.A.**, Stevenson, M., Creel, L., Kong, M., Brothers, K., Vidwan, N., Pasquenza, N. (2018-19). Safeguarding medication use and improving care delivery for children receiving Kentucky Medicaid. Kentucky Medicaid, \$393,985; August 15, 2018 through June 30, 2019; 25% effort; 100% effort (50% cost-share), role: co-investigator.
3. Davis, D.W., Smith, M., **Wattles, B.A.**, Stevenson, M., Creel, L., Kong, M., Vidwan, N., Pasquenza, N. (2019-20). Safeguarding medication use and improving care delivery for children receiving Kentucky Medicaid. Kentucky Medicaid (\$393,967; July 1, 2019 through June 30, 2020; (100% effort (50% cost-share), role: co-investigator.
4. Davis, D.W., Smith, M., **Wattles, B.A.**, Lohr, W.D., Stevenson, M., Creel, L., Kong, M., Vidwan, N., Le, J., Pasquenza, N. (2020-21). Safeguarding medication use and improving care delivery for children receiving Kentucky Medicaid. Kentucky Medicaid (OGMB210017; \$555,690 (cost-share \$217,666), July 1, 2020 through June 30, 2021; Role: co-investigator, 100% effort (50% cost-share))

5. Davis, D.W., Smith, M., **Wattles, B.A.**, Lohr, W.D., Stevenson, M., Creel, L., Kong, M., Vidwan, N., Le, J., Pasquenza, N. (2020-22). Safeguarding medication use and improving care delivery for children receiving Kentucky Medicaid. Kentucky Medicaid (OGMB210017A; \$570,007; July 1, 2021 through June 30, 2022; 100% effort (50% cost-share));  
Subcategories: Interventions to decrease antibiotic use, Role: PI; Safeguarding the prescribing of psychotropic medication in youth; Role: co-investigator

## EDITORIAL WORK

### *Peer-Review Journals*

2020-present	<i>Journal of Pediatric Pharmacology and Therapeutics</i> (3 reviews)
2021-present	<i>Clinical Pediatrics</i> (2 reviews)
2021-present	<i>Emergency Medicine Journal</i> (1 review)
2021-present	<i>JAMA Pediatrics</i> (1 review, 1 co-review)
2022-present	<i>JAMA Network Open</i> (1 co-review)
2022-present	<i>Journal of the Pediatric Infectious Diseases Society (JPIDS)</i> (2 reviews)
2022-present	<i>BMC Infectious Diseases</i> (1 review)
2023-present	<i>Pharmacoepidemiology and Drug Safety</i> (1 review)

### *Abstract Reviews*

2021	St. Jude/Pediatric Infectious Diseases Society Annual Conference
2021	IDWeek 2021, Visiting Professor
2021 - 2023	IDWeek 2021-22, Abstract Reviewer

### *Grant Reviews*

2023	SIDP Early Career Research Grant
2023	PIDS Summer Research Scholars Award

## ABSTRACTS AND PRESENTATIONS

### ORAL PRESENTATIONS (\*denotes invited lecture)

#### *National/International Meetings*

1. Smith MJ, **\*Wattles BA**, Vidwan NK. Pediatric Antibiotic Use in Kentucky Medicaid. International Pediatric Antimicrobial Stewardship Conference. St. Louis, MO, June 2019.
2. **Wattles BA**. Pediatric antibiotic stewardship: Translating Inpatient ASP success to outpatient settings. Pediatric Pharmacy Association Fall Conference. Lexington, KY September 2019.
3. **Wattles BA**. Quantity vs. Quality: Measuring Outpatient Antibiotic Use. Pediatric Pharmacy Association Annual Meeting. Virtual, April 21, 2021.
4. **\*Wattles BA**. Tracking and reporting of outpatient antibiotic use: What metrics to use and how to measure them. IDWeek 2021 Workshop: Expanding your Influence to Improve Antibiotic Use in Outpatient Settings. Virtual, October 22, 2021.
5. **\*Wattles BA**. Stewardship Considerations for Rural Settings. PAS 2022 Workshop: Expanding Outpatient Antibiotic Stewardship: Novel Strategies, Settings, and Equity Considerations. Pediatric Academic Society Meeting 2022. Denver, CO April 2022.

6. **\*Wattles BA**, Vijayan T. Health Equity Considerations in Antibiotic Prescribing. The Society for Healthcare Epidemiology of America (SHEA) Webinar. Virtual, March 30, 2023.

### ***Local/Regional Meetings***

1. Vidwan NK, **Wattles BA**. Antimicrobial Stewardship. University of Louisville Pediatric Grand Rounds. Louisville, KY, April 2018.
2. **Wattles BA**, Vidwan NK. Outpatient Antimicrobial Stewardship. University of Pikeville College of Osteopathic Medicine Primary Care Continuing Medical Education and Alumni Weekend, Pikeville, KY, September 2018.
3. Smith MJ, **Wattles BA**, Vidwan NK. Outpatient Antimicrobial Stewardship. Kentucky Rural Health Association Annual Conference, Bowling Green, KY, November 2018.
4. **\*Wattles BA**. Kentucky Antibiotic Awareness. Reducing Antimicrobial Resistance: Shifting the paradigm through antibiotic stewardship, Lexington, KY, December 2018.
5. Smith MJ, **Wattles BA**, Vidwan NK, Green J. Outpatient Antimicrobial Stewardship. Kentucky Coalition of Nurse Practitioners and Nurse Midwives Annual Conference, Covington, KY, April 2019.
6. **Wattles BA**. Outpatient antibiotic stewardship for Kentucky pharmacists. Kentucky Pharmacists Association Annual Meeting and Convention, Lexington, KY, June 2019.
7. **Wattles BA**. Outpatient antimicrobial stewardship for the health-system pharmacist. Kentucky Society of Health-System Pharmacists Fall Conference. November 2019.
8. **Wattles BA**, Smith MJ, Vidwan NK. Appropriate Antibiotic Use: A Team Effort. Kentucky Rural Health Association Annual Conference, Bowling Green, KY, November 2019.
9. Vidwan NK, **Wattles BA**. Outpatient Antimicrobial Stewardship: 'We can all play a part'. University of Louisville Pediatric Grand Rounds. Virtual, July 2020.
10. **\*Wattles BA**. Measuring Outpatient Antibiotic Use. Kentucky Hospital Association Annual Quality Conference, Virtual, March 2021.
11. **Wattles BA**, Vidwan NK. Antibiotic Stewardship: Resilient communities can prevent resistant bacteria. Kentucky Public Health Association Annual Conference, Virtual, April 2021.

### **POSTERS/ORAL ABSTRACTS** (\*denotes oral abstract)

### ***National/International Meetings***

1. **Wattles BA**, Rybak J, Martin C. Outcomes of piperacillin-tazobactam monotherapy versus combination therapy for low MIC *Pseudomonas aeruginosa*. American Society of Health-System Pharmacists Midyear Clinical Meeting, Orlando, FL; December 2013.
2. **Wattles BA**, Esterly L, Stevenson M, Yarberr B. Comparison of order verification and dispensing processes of intravenous antibiotics in a pediatric emergency department. American Society of Health-System Pharmacists Midyear Clinical Meeting, Anaheim, CA; December 2014.
3. **Wattles BA**, Berkenbosch J, Mayes S. Efficacy of endotracheal lidocaine in pediatric patients with traumatic brain injury to prevent intracranial pressure changes caused by endotracheal suctioning. Pediatric Pharmacy Association Annual Meeting, Minneapolis, MN; May 2015.
4. **Wattles BA**, Zoeller C, Smith M, Mayes S. Evaluation of risk factors for high vancomycin troughs in pediatric patients. Society of Critical Care Medicine Annual Congress, Orlando FL; February 2016.
5. **Wattles BA**, Berkenbosch J, Mayes S. Safety and efficacy of high dose, extended duration dexmedetomidine infusions in mechanically ventilated pediatric patients. Pediatric Pharmacy Association Annual Meeting, Atlanta, GA; May 2016.

6. Gulley S, **Wattles BA**, Mayes S, Elder J. Evaluation of influenza vaccine screening and administration rates in a single academic pediatric medical center. American Society of Health-System Pharmacists Midyear Clinical Meeting, Las Vegas, NV; December 2016.
7. Smith MJ, **Wattles BA**, Vidwan NK, Ghosal S, Creel L, Benitez J, Feygin Y, Myers J, Woods C. Outpatient Antibiotic Use in the Pediatric Kentucky Medicaid Population. 9<sup>th</sup> Annual International Pediatric Antimicrobial Stewardship Conference, St. Louis; June 2018.
8. Smith MJ, Vidwan NK, **Wattles BA**, Ghosal S, Feygin Y, Creel L, Myers J, Woods C. Cefdinir prescribing in low-income children in Kentucky from 2012-2016. IDWeek, San Francisco, CA; October 2018.
9. **Wattles BA**, Vidwan NK, Sun J, Feygin Y, Kong M, Creel L, Woods C, Smith MJ. Outpatient antibiotic prescribing in a cohort of children with 5 years continuous enrollment in Kentucky Medicaid. Pediatric Academic Societies Meeting, Baltimore, MD; April 2019.
10. Eastep K, Seaman C, Stevenson M, Feygin Y, Yan X, Myers J, **Wattles BA**, Jawad K, Kong M, Anderson B. Geographic patterns in prescription opioids and opioid abuse in the pediatric population: A review of a recent Kentucky cohort. Pediatric Academic Societies Meeting, Baltimore, MD; April 2019.
11. Eastep K, Stevenson M, Feygin Y, Yan X, Kong M, Jawad K, Myers J, **Wattles BA**, Anderson B. Opioid prescriptions among children enrolled in Kentucky Medicaid: A review of a recent cohort. Pediatric Academic Societies Meeting, Baltimore, MD; April 2019.
12. **Wattles BA**, Jawad K, Vidwan NK, Espinosa C, Feygin Y, Kong M, Creel L, Woods C, Smith MJ. Hepatitis A vaccination in pediatric Kentucky Medicaid population. Pediatric Academic Societies Meeting, *Cancelled*; April 2019.
13. **Wattles BA**, Jawad K, Feygin Y, Kong M, Vidwan NK, Stevenson MD, Smith MJ. A cross-sectional analysis of inappropriate outpatient antibiotic use in children insured by Kentucky Medicaid. IDWeek20, Virtual; October 2020.
14. Feygin Y, Lohr WD, Le J, Jones VF, Williams PG, Pasquenza N, Creel LM, **Wattles BA**, Davis DW. Long-term follow-up of preschool-age children diagnosed with a serious emotional disturbance in 2012. Pediatric Academic Societies Meeting, Virtual; May 2021.
15. **Wattles BA**, Bhadury S, Feygin Y, Kong M. Amoxicillin Index in Kentucky Medicaid Children. 11<sup>th</sup> Annual International Pediatric Antimicrobial Stewardship Conference, Virtual; June 2021.
16. **Wattles BA**, Stahl JD, Jawad K, Feygin Y, Kong M, Vidwan NK, Stevenson MD, Smith MJ. Appropriateness of antibiotic prescribing through the COVID-19 pandemic and associated telehealth visits. IDWeek 2021, Virtual; September - October 2021.
17. **Wattles BA**, Feygin Y, Jawad K, Stevenson MD, Vidwan NK, Blatt D, Davis DW, Creel LM, Porter J, Jones VF, Smith MJ. Use of the Child Opportunity Index to Examine Racial Disparities in Outpatient Antibiotic Prescribing to Children. 12<sup>th</sup> Annual International Pediatric Antimicrobial Stewardship Conference, St. Louis, MO; June 2022.
18. Coriell M, Jawad K, Feygin Y, Watson S, Stevenson MD, **Wattles B**, Jones F, Porter J, Davis D. Neighborhood Disadvantage, Child Opportunity Index, and Glycemic Control for Children with Type 1 Diabetes. American Diabetes Association 82<sup>nd</sup> Scientific Sessions, New Orleans, LA; June 2022.
19. Davis DW, Jawad K, Feygin Y, Stevenson M, **Wattles B**, Porter J, Jones VF. Measuring the impact of neighborhood disadvantage on child outcomes: All tools are not equal. Society for Research in Child Development 2023 Biennial Meeting, Salt Lake City, UT; March 2023.
20. Davis DW, Jawad K, Feygin Y, Stevenson M, **Wattles B**, Porter J, Jones VF. Do various neighborhood disadvantage indices equally predict child chronic health conditions? Pediatric Academic Societies Meeting, Washington, DC; April 2023.

21. El Feghaly RE, Herigon J, **Wattles BA**, Kronman M, Poole N, Smith MJ, Vaughan A, Olivero R, Patel SJ, Wirtz AL, Willis ZI, Lee B. Benchmarking of Outpatient Pediatric Antibiotic Prescribing: Results of a Multicenter Collaborative. Pediatric Academic Societies Meeting, Washington, DC; April 2023.
22. El Feghaly RE, Herigon J, **Wattles BA**, Kronman M, Poole N, Smith MJ, Vaughan A, Olivero R, Patel SJ, Wirtz AL, Willis ZI, Lee B. Benchmarking of Outpatient Pediatric Antibiotic Prescribing: Results of a Multicenter Collaborative. 13<sup>th</sup> Annual International Pediatric Antimicrobial Stewardship Conference, St. Louis, MO; June 2023.
23. \*Lee BR, Smith M, Herigon J, Kronman M, Olivero R, Patel S, Poole N, **Wattles B**, Wirtz A, El Feghaly R. Amoxicillin Use for Common Acute Respiratory Infections During a National Shortage: Result from the SHARPS-OP Benchmarking Collaborative. 13<sup>th</sup> Annual International Pediatric Antimicrobial Stewardship Conference, St. Louis, MO; June 2023.
24. \*Kilgore JT, Lanata MM, Holthaus B, Willis JM, McCarthy MJ, Becker JB, Samples B, Sparks J, Evans JE, **Wattles B**, Smith MJ. Validation of Medicaid Claims Data for Development of a Dynamic, Statewide Outpatient Pediatric Antimicrobial Stewardship Dashboard. 13<sup>th</sup> Annual International Pediatric Antimicrobial Stewardship Conference, St. Louis, MO; June 2023.

## PUBLICATIONS

### PEER-REVIEWED MANUSCRIPTS

1. **Wattles BA**, Kim AJ, Cheerva AC, Lucas KG, Elder JJ. Cytomegalovirus treatment in pediatric hematopoietic stem cell transplant patients. *J Pediatr Hematol Oncol*. 2017 May;39(4):241-248. DOI: [10.1097/MPH.0000000000000730](https://doi.org/10.1097/MPH.0000000000000730)
2. **Wattles B**, Vidwan N, Ghosal S, Feygin Y, Creel L, Myers J, Woods C, Smith M. Cefdinir Use in the Kentucky Medicaid Population: A Priority for Outpatient Antimicrobial Stewardship. *J Pediatric Infect Dis Soc*. 2021 Mar 26;10(2):157-160. DOI: [10.1093/jpids/piz084](https://doi.org/10.1093/jpids/piz084)
3. **Wattles BA**, Jawad KS, Feygin Y, Kong M, Vidwan NK, Stevenson MD, Smith MJ. Inappropriate outpatient antibiotic use in children insured by Kentucky Medicaid. *Infect Control Hosp Epidemiol*. 2021;1-7. DOI: [10.1017/ice.2021.177](https://doi.org/10.1017/ice.2021.177)
4. **Wattles BA**, Vidwan NK, Feygin Y, Jawad KS, Creel LM, Smith MJ. Antibiotic prescribing to Kentucky Medicaid children, 2012-2017: Prescribing is higher in rural areas. *J Rural Health*. 2022 Mar;38(2):427-432. (Epub 2021) DOI: <https://doi.org/10.1111/jrh.12584>
5. Poole NM, **Wattles BA**, El Feghaly RE. Proposed Metrics to Benchmark Antibiotic Prescribing in Pediatric Outpatient Settings. *Am J Infect Control*. 2021 Sep 4;S0196-6553(21)00583. Online ahead of print. DOI: <https://doi.org/10.1016/j.ajic.2021.08.028>
6. **Wattles BA**, Vidwan NK, Smith MJ. Antibiotic Stewardship Throughout the Primary Care Visit: Opportunities for all Office Staff. *Fam Pract Manag*. Nov-Dec 2021;28(6):10-14.
7. Smith MJ, **Wattles BA**. Appropriate Antibiotic Prescribing – The Safer and Less Expensive Choice. *JAMA Netw Open*. 2022 May 2;5(5):e2214160. <https://doi.org/10.1001/jamanetworkopen.2022.14160>
8. **Wattles BA**, Jawad KS, Feygin YF, Stahl JD, Vidwan NK, Stevenson MD, Kong M, Smith MJ. Quality of Antibiotic Prescribing to Children through the Coronavirus Disease 2019 (COVID-19) Pandemic. *Antimicrobial Stewardship & Healthcare Epidemiology* 2, no. 1 (2022):E94. <https://doi.org/10.1017/ash.2022.235>
9. **Wattles BA**, Smith MJ, Feygin Y, Jawad KS, Bhadury S, Sun J, Kong M, Woods CR. Recurrent Antibiotic Use in Kentucky Children with 6 Years of Continuous Medicaid Enrollment. *J Pediatric Infect Dis Soc*. 2022 Aug 14;piac079. <https://doi.org/10.1093/jpids/piac079>



**OTHER PUBLICATIONS**

1. **Wattles, BA.** 2015 Pediatric Advanced Life Support Guideline Update: Medication Review. Pediatric Pharmacy Advocacy Group Newsletter. June 2016.
2. Mayes S, Murray T, **Wattles B**, et al. Clinical Pharmacokinetics. Norton Children's Hospital Department of Pharmacy. June 2016.
3. **Wattles B**, Smith M. Antibiotic Use Through Collaboration Among Clinicians, Researchers, and Medicaid. Academy Health Issue Brief. April 2021 Available at: <https://academyhealth.org/publications/2021-04/collaboration-between-clinicians-public-health-officials-and-medicare-could-reduce-inappropriate-antibiotic-use>
4. Creel LM, **Wattles BA**, Smith MJ, Eggen MB, Karimi S. Policy Options to Improve Outpatient Antibiotic Prescribing in the Pediatric Medicaid Population in Kentucky. Policy Brief. Commonwealth Institute of Kentucky. January 2023. Available at: <https://louisville.edu/sphis/departments/cik/policy-briefs>

**BOOK CHAPTERS**

1. Wattles BA, Smith MJ (2023). Childhood Infections and Antibiotic Prescribing. Encyclopedia of Child and Adolescent Health. In B. Halpern-Felsher (Ed.): *Encyclopedia of Child and Adolescent Health (1<sup>st</sup> ed., Vol. 1*, pp. 617-626). Cambridge, MA: Elsevier. Available at: <https://www.sciencedirect.com/referencework/9780128188736/encyclopedia-of-child-and-adolescent-health#book-description>