

ILLINOIS SUMMIT ON ANTIMICROBIAL STEWARDSHIP 2018

Tuesday, July 17, 2018
8:30 a.m. – 4:30 p.m.

DoubleTree by Hilton Bloomington Conference Center



Funding for this conference was made possible in part by the Centers for Disease Control and Prevention. The views expressed in written conference materials or publications and by speakers and moderators do not necessarily reflect the official policies of the Department of Health and Human Services, nor does the mention of trade names, commercial practices, or organizations imply endorsement by the U.S. Government.

Learning Objectives

At the conclusion of this course, participants will be able to:

- Summarize the regulatory and national landscape for antimicrobial stewardship
- Apply national guidelines and best practices for implementing and evaluating facility antimicrobial stewardship programs
- Identify tools and resources for implementing antimicrobial stewardship programs

Target Audience

Health care professionals including physicians, pharmacists, dentists, nurses, quality directors, infection preventionists, facility leadership, and public health professionals across inpatient, outpatient, and long-term care settings

Interprofessional Continuing Education Statement

In support of improving patient care, Rush University Medical Center is accredited by the American Nurses Credentialing Center (ANCC), the Accreditation Council for Pharmacy Education (ACPE), and the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing education for the health care team.

Rush University Medical Center designates this live activity for a maximum of 6.25 AMA PRA Category 1 Credit(s)[™]. Physicians should claim only credit commensurate with the extent of their participation in the activity.

ANCC Credit Designation – Nurses

The maximum number of hours awarded for this CE activity is 6.25 contact hours.

Rush University Medical Center designates this knowledge based CPE activity (JA0000275-0000-18-071-L04-P) for 6.25 contact hours for pharmacists.

Rush University Medical Center designates this knowledge based CPE activity (JA0000275-0000-18-071-L04-T) for 6.25 contact hours for pharmacy technicians.

This activity is being presented without bias and without commercial support.

Rush University is an approved provider for physical therapy (216.000272), occupational therapy, respiratory therapy, social work (159.001203), nutrition, speech-audiology, and psychology by the Illinois Department of Professional Regulation.

Rush University designates this live activity for 6.25 Continuing Education credit(s).

To claim Continuing Education credit, attendees must:

- Attend the entire session;
- Visit the following website to complete the course evaluation: <https://tinyurl.com/summit2018eval>

Certificates of participation will be sent by e-mail to each attendee 7-10 days after the event. Please be sure to provide a valid e-mail address on your evaluation form.

Dental Credits

The Illinois Department of Public Health's (IDPH) Division of Oral Health approves this course for 5.75 hours of CE credit for dental professionals. Dental Professionals should claim credit commensurate with the extent of their participation in the activity only.

To claim continuing Education credit, attendees must:

- Fill out the sign in sheet and provide your mailing and e-mail address;
- Attend the entire session; and
- Return the paper evaluation form.

Certificates will be emailed to attendees six to eight weeks after the event.

Disclosure

The planners, editors, faculty, and reviewers of this activity have no relevant financial relationships to disclose. This event was created without any commercial support.

Agenda

Time	Sessions				
8:30 am – 9:00 am	Check In & Registration				
9:00 am – 10:30 am	Local, Regulatory, & National Antimicrobial Stewardship Updates Chinyere Alu, MPH, Illinois Department of Public Health Erica Runningdeer, MSN, MPH, RN, Illinois Department of Public Health Debra Bryars, MSN, RN, Illinois Department of Public Health Melinda Neuhauser, PharmD, MPH, Centers for Disease Control and Prevention				
10:30am – 10:45 am	Break				
10:45am-11:35am	Communicating Effectively with Patients about Antibiotics Rita Mangione-Smith, MD, MPH, University of Washington				
11:35am-12:05pm	Review of Regional Antibigram Data Eric Wenzler, PharmD, University of Illinois at Chicago				
12:05pm- 1:15pm	<p style="text-align: center;">Lunch & Poster Presentations</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; text-align: center; vertical-align: top;"> <p>Acute Care Track</p> <ul style="list-style-type: none"> • Antimicrobial Stewardship in OSF Health Care Critical Access Facilities, Julie Giddens PharmD, BCPS, & Tim Murrey, PharmD, BCPS, OSF Health Care • Evaluating Provider Perspectives on Antimicrobial Stewardship Practices: A Single-Center Survey, Maressa Santarossa, PharmD, BCPS, Loyola University Medical Center • Antibiotic Stewardship at HSHS St. Anthony, Robert Runde, R. Ph, HSHS St. Anthony </td> <td style="width: 50%; text-align: center; vertical-align: top;"> <p>Long-term Care Track</p> <ul style="list-style-type: none"> • Antibiotic Stewardship in Marianjoy Rehabilitation Hospital, Charlene Liang, PharmD, Northwestern Medicine • Initiative to Reduce the Incidence of Urinary Tract Infection in Nursing Home Residents Transferred To Emergency Departments, Avinash Mantha, MD, Loyola University Medical Center </td> </tr> <tr> <td style="width: 50%; text-align: center; vertical-align: top;"> <p>Dental Track</p> <ul style="list-style-type: none"> • Antibiotic Prescribing by Dentists and Geographic Variability in the Veterans Affairs (VA) Health System, Katie Suda, PharmD, MS, University of Illinois at Chicago </td> <td style="width: 50%; text-align: center; vertical-align: top;"> <p>Outpatient Track</p> <ul style="list-style-type: none"> • Implementing the Core Elements of Outpatient Antimicrobial Stewardship, Alan Gross, PharmD, University of Illinois at Chicago, College of Pharmacy </td> </tr> </table>	<p>Acute Care Track</p> <ul style="list-style-type: none"> • Antimicrobial Stewardship in OSF Health Care Critical Access Facilities, Julie Giddens PharmD, BCPS, & Tim Murrey, PharmD, BCPS, OSF Health Care • Evaluating Provider Perspectives on Antimicrobial Stewardship Practices: A Single-Center Survey, Maressa Santarossa, PharmD, BCPS, Loyola University Medical Center • Antibiotic Stewardship at HSHS St. Anthony, Robert Runde, R. Ph, HSHS St. Anthony 	<p>Long-term Care Track</p> <ul style="list-style-type: none"> • Antibiotic Stewardship in Marianjoy Rehabilitation Hospital, Charlene Liang, PharmD, Northwestern Medicine • Initiative to Reduce the Incidence of Urinary Tract Infection in Nursing Home Residents Transferred To Emergency Departments, Avinash Mantha, MD, Loyola University Medical Center 	<p>Dental Track</p> <ul style="list-style-type: none"> • Antibiotic Prescribing by Dentists and Geographic Variability in the Veterans Affairs (VA) Health System, Katie Suda, PharmD, MS, University of Illinois at Chicago 	<p>Outpatient Track</p> <ul style="list-style-type: none"> • Implementing the Core Elements of Outpatient Antimicrobial Stewardship, Alan Gross, PharmD, University of Illinois at Chicago, College of Pharmacy
<p>Acute Care Track</p> <ul style="list-style-type: none"> • Antimicrobial Stewardship in OSF Health Care Critical Access Facilities, Julie Giddens PharmD, BCPS, & Tim Murrey, PharmD, BCPS, OSF Health Care • Evaluating Provider Perspectives on Antimicrobial Stewardship Practices: A Single-Center Survey, Maressa Santarossa, PharmD, BCPS, Loyola University Medical Center • Antibiotic Stewardship at HSHS St. Anthony, Robert Runde, R. Ph, HSHS St. Anthony 	<p>Long-term Care Track</p> <ul style="list-style-type: none"> • Antibiotic Stewardship in Marianjoy Rehabilitation Hospital, Charlene Liang, PharmD, Northwestern Medicine • Initiative to Reduce the Incidence of Urinary Tract Infection in Nursing Home Residents Transferred To Emergency Departments, Avinash Mantha, MD, Loyola University Medical Center 				
<p>Dental Track</p> <ul style="list-style-type: none"> • Antibiotic Prescribing by Dentists and Geographic Variability in the Veterans Affairs (VA) Health System, Katie Suda, PharmD, MS, University of Illinois at Chicago 	<p>Outpatient Track</p> <ul style="list-style-type: none"> • Implementing the Core Elements of Outpatient Antimicrobial Stewardship, Alan Gross, PharmD, University of Illinois at Chicago, College of Pharmacy 				

Concurrent Sessions 1:15pm – 2:10pm	How to: Enrolling in the XDRO Registry and its Benefits to Long Term Care Mary Alice Lavin, RN, MJ, CIC, FAPIC, APIC Consulting Services, Inc.
	Behavioral Interventions around Antibiotic Stewardship* Jeff Linder, MD, MPH Northwestern University
	Review of Antibiotic Guidelines on Antibiotic Prophylaxis in Dentistry Elliot Abt, DDS, MS, MSc, Abt Dental Associates
Concurrent Sessions 2:15 pm - 3:10pm	Using Evidence-Based Guidelines to Impact Antibiotic Usage in a Rural Hospital and Long Term Care System: Success, Failure and Limited Resources Marc Meyer, R.Ph, B Pharm, CIC, FAPIC, Southwest Health System
	Resources for Implementing Antimicrobial Stewardship in Post-Acute and Long-Term Care Facilities Muhammad Ashraf, MBBS, University of Nebraska
	Behavioral Interventions around Antibiotic Stewardship* Jeff Linder, MD, MPH, FACP, Northwestern University Feinberg School of Medicine
	Antibiotic Stewardship: Like Pulling Teeth Katie Suda, PharmD, MS, University of Illinois at Chicago
Concurrent Sessions 3:15pm - 4:10pm	Coordinated Reporting of Antibiotic Use and Resistance Project: How PCORNET Data Use Models can be leveraged for NHSN Reporting Carlos A. Q. Santos MD, MPHS, Rush University Medical Center
	Antimicrobial Stewardship in Behavioral Health Settings Denise Mayo, MSN, RN Streamwood Behavioral Health care System Katherine Sifuentes, RN, BSN, Hartgrove Behavioral Health System
	Implementing Antimicrobial Stewardship in Dental Clinics Susan Rowan, DDS, University of Illinois at Chicago College of Dentistry
4:10 pm – 4:20 pm	Wrap up & evaluations

*Repeated session

Session Descriptions

9:00 am – 10:30 am

General Session: National, Regulatory, & Local Antimicrobial Stewardship Updates

Speakers: Chinyere Alu, MPH, IDPH; Erica Runningdeer, MSN, MPH, RN, IDPH; Debra Bryars, MSN, RN, IDPH ; Melinda Neuhauser, PharmD, MPH, Centers for Disease Control and Prevention(CDC)

Moderator: Dheeraj Mahajan, MD, CIMPAR, SC

Objectives:

- Summarize national landscape for antimicrobial stewardship
- Describe statewide initiatives related to antimicrobial stewardship
- Identify local requirements for implementing antimicrobial stewardship

10:45am-11:35am

General Session: Communicating Effectively with Patients about Antibiotics

Speaker: Rita Mangione-Smith, MD, MPH, University of Washington

Moderator: Rachel M. Astorquiza, Masters in Public Policy Candidate, IDPH

Objectives:

- Discuss evidence-based research related to parent expectations and provider-parent communication during outpatient visits for pediatric acute respiratory infection
- Identify communication practices to avoid in order to prevent unnecessary antibiotic prescribing when parent expect to receive them
- Name four recommended provider communication strategies for managing parent expectations for antibiotics

11:35am-12:05pm

General Session: Review of Regional Antibigram Data

Speaker: Eric Wenzler, PharmD, University of Illinois at Chicago

Moderator: Rachel M. Astorquiza, Masters in Public Policy Candidate, IDPH

Objectives:

- Discuss the importance of the antibiogram to antimicrobial stewardship activities
- Review data collected from the Chicagoland regional antibiogram project
- State future directions and applications of the regional antibiogram

12:05pm- 1:15pm

Lunchtime Session: Poster Presentations

Speakers: See Agenda.

Moderator: Kevin Meyer, Doctor of Pharmacy Candidate, University of Illinois at Chicago; Michelle Wu, Doctor of Pharmacy Candidate, University of Illinois at Chicago

Objectives:

- Describe best practices for implementing antibiotic stewardship in acute care
- Describe best practices for antibiotic stewardship in long term care
- Describe best practices for antibiotic stewardship in outpatient and dental care

1:15pm – 2:10pm**Concurrent Session: How to: Enrolling in the XDRO Registry and its Benefits to Long Term Care**

Speaker: Mary Alice Lavin, RN, MJ, CIC, FAPIC, APIC Consulting Services, Inc.

Moderator: Rachel M. Astorquiza, Masters in Public Policy Candidate, IDPH

Objectives:

- Discuss the steps required for registering for and accessing the Illinois Extensively Drug Resistant Organism (XDRO) Registry
- Describe how use of the XDRO Registry can be integrated into the admission process
- State the value the XDRO Registry adds to control of extensively drug resistant organisms

Concurrent Session: Behavioral Interventions around Antibiotic Stewardship

Speaker: Jeff Linder, MD, MPH Northwestern University

Moderator: Brandi Wamhoff, MPH, Telligen

Objectives:

- State the importance of reducing inappropriate antibiotic prescribing in outpatient practice
- Identify behavioral factors that affect physicians' antibiotic prescribing decisions
- Discuss the impact of behavioral interventions to reduce inappropriate outpatient antibiotic prescribing

Concurrent Session: Review of Antibiotic Guidelines on Antibiotic Prophylaxis in Dentistry

Speaker: Elliot Abt, DDS, MS, MSc, Abt Dental Associates

Moderator: Chinyere Alu, MPH, IDPH; Massimo Pacilli, Chicago Department of Public Health

Objectives:

- State the rationale for clinical practice guidelines and why they are needed
- Discuss current guidelines on dental procedures and prosthetic joint infections
- Define the Appropriate Use Criteria for dental procedures and prosthetic joint infections

2:15 pm - 3:10pm**Concurrent Session: Using Evidence-Based Guidelines to Impact Antibiotic Usage in a Rural Hospital and LTC System: Success, Failure and Limited Resources**

Speaker: Marc Meyer, R.Ph, B Pharm, CIC, FAPIC, Southwest Health System

Moderator: Melinda Neuhauser, PharmD, MPH, CDC

Objectives:

- Describe how evidence-based guidance can drive antimicrobial stewardship programs in critical access hospital and long term care
- Identify data, tools, and interventions used to implement stewardship projects in a rural setting with limited resources in mind
- Promote the value of community stewardship efforts

Concurrent Session: Resources for Implementing Antimicrobial Stewardship in Post-Acute and Long-Term Care Facilities

Speaker: Muhammad Ashraf, MBBS, University of Nebraska

Moderator: Shannon Calus, MPH Candidate, IDPH

Objectives:

- State why antimicrobial stewardship programs are needed in post-acute and long-term care facilities
- Describe the CDC core elements for antibiotic stewardship in nursing homes
- Name strategies for developing a formal antimicrobial stewardship program in post-acute and long-term-care facilities using available resources

Concurrent Session: Antibiotic Stewardship: Like Pulling Teeth

Speaker: Katie Suda, PharmD, MS, University of Illinois at Chicago

Moderator: Gina Jones, MPS, Telligen

Objectives:

- Describe current patterns of antibiotic resistance and antibiotic prescribing in the United States
- Define antimicrobial stewardship and the rationale behind extending antimicrobial stewardship into dental practices
- Summarize the core elements of community antimicrobial stewardship

3:15pm - 4:10pm

Concurrent Session: Coordinated Reporting of Antibiotic Use and Resistance Project: How PCORNET Data Use Models can be leveraged for NHSN reporting

Speaker: Carlos A. Q. Santos MD, MPH, Rush University Medical Center

Moderator: Erica Runningdeer, MSN, MPH, RN, IDPH

Objectives:

- Discuss ways PCORNET Data Use Models can be extended to include ancillary tables for antibiotic use and microbiology data
- Explain how ancillary tables for antibiotic use and microbiology data can be used for NHSN reporting
- Express other uses of ancillary tables for antibiotic use and microbiology information, which includes using the information for antimicrobial stewardship, infection control and research

Concurrent Session: Antimicrobial Stewardship in Behavioral Health Settings

Speakers: Denise Mayo, MSN, RN Streamwood Behavioral Health Care System; Katherine Sifuentes, RN, BSN, Hartgrove Behavioral Health System

Moderator: Elizabeth Murphy, MPH, DuPage County Health Department

Objectives:

- State rationale for stewardship in the behavioral health setting
- Discuss the behavioral health barriers to maintaining isolation and collecting cultures
- Recognize the difficulties in patient compliance, medication compliance, and antibiotic time outs

Concurrent Session: Implementing Antimicrobial Stewardship in Dental Clinics

Speakers: Susan Rowan, DDS, University of Illinois at Chicago College of Dentistry

Moderator: Mona Van Kanegan, DDS, MS, MPH IDPH

Objectives:

- Develop and adopt strategies to implement antibiotic stewardship in health care clinics with the use of the CDC's Core Elements
- Adapt a clinical decision tool to improve appropriate use of antibiotics within their organization
- Describe the impediments to training and dissemination of knowledge relative to affecting change within a health care setting

Speaker Biographies

Elliot Abt, D.D.S., M.S., M.Sc.

Dr. Abt received a Bachelor's degree in molecular biology from the University of Wisconsin-Madison, a Master's degree in oral pathology, and dental degree from the University of Illinois. He also has a master's degree in evidence-based health care from Oxford University. He completed his dental residency training at Ravenswood and the University of Illinois Hospitals. Dr. Abt is an adjunct associate professor of oral medicine at the University of Illinois and directs the journal club for dental residents at Illinois Masonic Medical Center. He teaches research methodology and biostatistics at the American Dental Association (ADA) Advanced Evidence-based Dentistry (EBD) Workshop. Dr. Abt has co-authored several ADA Clinical Practice Guidelines and is an instructor in the ADA EBD Faculty Development Workshops. Dr. Abt is the immediate past-chair of the ADA Council on Scientific Affairs and maintains a private practice in general dentistry.

Muhammad Ashraf, MBBS

Dr. Ashraf is an Associate Professor in the Division of Infectious Diseases, Department of Internal Medicine, at University of Nebraska Medical Center, Omaha, NE where he also serves as the medical director for Nebraska Infection Control Assessment and Promotion Program and co-medical director for Nebraska Antimicrobial Stewardship Assessment and Promotion Program. Dr. Ashraf is board certified in internal medicine, geriatrics, and infectious diseases. He is a member of SHEA Long-Term Care Special Interest Group, SHEA Education Committee and Infection Advisory Committee of American Medical Directors Association-The Society for Post-Acute and Long-Term Care Medicine. Dr. Ashraf is currently working on multiple projects focused on promoting infection prevention and control and antimicrobial stewardship programs in long-term care facilities.

Debra Bryars, MSN, RN

Debra Bryars serves as the Deputy Director of the Office of Health Care Regulation within IDPH. Her former positions include Field Operations Section Chief in the Division of Health Care Facilities and Programs, Chicago/Bellwood Regional Long Term Care Supervisor, and Training and Technical Direction Unit Section Chief. In all of these roles, she has been involved with health care provider compliance with state and federal regulations to ensure quality services are provided to clients. Debra received her nursing diploma from St. John's Hospital School of Nursing, BSN from Sangamon State University, and MSN from Southern Illinois University in Edwardsville.

Julie Giddens, PharmD, BPS

Dr. Giddens is currently the Infectious Disease Clinical Pharmacy Coordinator for OSF Health Care System, which is a 13-hospital system within IL and MI. She received her PharmD degree from Purdue University and completed her pharmacy residency in general practice and infectious disease at Indiana University Health Care. Prior to her position at OSF Health Care, she was an Infectious Disease Clinical Pharmacist at Exempla Saint Joseph Hospital in Denver, CO.

Alan Gross, PharmD

Dr. Gross is a clinical assistant professor at the University of Illinois at Chicago College of Pharmacy and the antimicrobial stewardship pharmacist at University of Illinois Hospital. Dr. Gross received his PharmD from Purdue University and subsequently completed a PGY1 pharmacy practice residency at Henry Ford Hospital and a PGY2 infectious diseases residency at Midwestern University Chicago College of Pharmacy. He recently served as the chair of the Antimicrobial Stewardship Committee for the Society of Infectious Disease Pharmacists (SIDP). His primary research interests include the epidemiology and treatment of multidrug-resistant organisms and the treatment of respiratory tract infections.

Mary Alice Lavin, RN, MJ, CIC, FAPIC

Ms. Lavin graduated from Marquette University with a Bachelor of Science in Nursing and received a Master of Jurisprudence in Health Law from Loyola University Chicago School of Law. With more than 32 years of experience in infection prevention and control, she has worked in a variety of settings. Currently she is a consultant with APIC Consulting for the Illinois Department of Public Health and Chicago Department of Public Health CDC Infection Control

Assessment and Response grants. A member of APIC since 1983, Mary Alice has been certified in infection control since 1984, and became a Fellow of the Association for Professionals in Infection Control and Epidemiology in 2016. She has previously served as the Nominating Chair, Chapter Legislative Representative and President of the Chicago Chapter of APIC. She has presented on topics including infection control aspects of construction/renovation, ambulatory care, MRSA, CRE, influenza, and regulatory issues.

Charlene Liang, PharmD

Dr. Liang is a Pharmacy Clinical Coordinator at Northwestern Medicine Marianjoy Rehabilitation Hospital in Wheaton, IL. She received a Doctor of Pharmacy degree from University of Illinois College of Pharmacy and completed a post graduate pharmacy practice residency with Cardinal Health at Vista Medical Center and Northwestern Medicine Lake Forest Hospital. She has worked as a clinical pharmacist for over ten years during which she has served in different positions at the acute care setting including roles of antimicrobial stewardship pharmacist, clinical manager, and as a preceptor for pharmacy students. Her practice has expanded to the post-acute setting where she provides clinical programs and services including but not limited to antimicrobial stewardship for patients with stroke, spinal cord injury, brain injury, orthopedic/musculoskeletal, and neuromuscular disorders.

Jeffrey A. Linder, MD, MPH, FACP

Dr. Linder is a general internist and primary care clinician-investigator. He is the Michael A. Gertz Professor of Medicine and the Chief of the Division of General Internal Medicine and Geriatrics at the Northwestern University Feinberg School of Medicine. Dr. Linder's research focuses on the care of ambulatory patients with acute respiratory infections (ARIs) and the appropriate use of antibiotics in ambulatory care. Dr. Linder has expertise in electronic health records and clinical decision support as well as using behavioral science and social psychology to understand and change behavior. Dr. Linder served on the "Outpatient Antibiotic Use Target-Setting Workgroup" which was convened by the CDC and The Pew Charitable Trusts; the Antibiotic Stewardship Research Workshop Planning Committee of the Society for Health Care Epidemiology of America; and is a standing member of the Agency for Health Care Research and Quality's Health Care Safety and Quality Improvement Study Section. Dr. Linder received his medical degree from Northwestern University School of Medicine, completed a Fellowship in General Medicine and Primary Care at Massachusetts General Hospital, and has a Masters of Public Health degree from the Harvard TH Chan School of Public Health.

Rita Mangione-Smith, MD, MPH

Dr. Mangione-Smith is Professor and Chief of the Division of General Pediatrics and Hospital Medicine at the University Of Washington Department of Pediatrics. She is also a senior investigator at the Center for Child Health, Behavior and Development at the Seattle Children's Research Institute and an adjunct professor of Health Services at the University of Washington, School of Public Health. Dr. Mangione-Smith designs and conducts studies that facilitate assessment of health care quality and develops and tests interventions aimed at improving pediatric care. Some of her current funded research projects focus on testing the effectiveness of a communication-based intervention to improve antibiotic prescribing practices in the pediatric outpatient setting and validating quality measures for inpatient respiratory illness care.

Avinash Mantha, MD

Dr. Avinash grew up in Milwaukee, Wisconsin. He received a B.S. in biology from the University of Minnesota and attended medical school at St. Matthews University in the Cayman Islands. Dr. Mantha completed a family medicine residency at UHS-Wilson Medical Center in Johnson City, NY and recently completed a fellowship in geriatric medicine at Loyola University Medical Center in Maywood, IL.

Denise Mayo, MSN, RN

Denise Mayo has worked at Streamwood Behavioral Health Care System for eight years as a nurse in Infection Control, Clinical Education, and Employee Health. Her experience has allowed her to have a greater understanding of the complexities in diagnosing, treating, and isolating infections and in a behavioral health setting.

Marc Meyer, R.PH, B Pharm, CIC, FAPIC

Mr. Meyer has been a clinical pharmacist for 27 years for Southwest Health System, a 25-bed critical access hospital (CAH) with eight clinics in Cortez, CO. For the past 17 years, he has served as an infection preventionist and the system's Director of Infection Control. He is a member of SHEA and SIDP, an APIC member and Fellow, and is board certified in infection control and epidemiology. Mr. Meyer is also a member of the Colorado Hospital Association's antimicrobial stewardship collaborative, where he works with the group on statewide hospital stewardship projects. He has worked with the Pew Charitable Trusts and CDC on hospital antimicrobial stewardship projects and has been active in providing education on stewardship in LTC and CAH hospitals at for diverse audiences across the country.

Tim Murrey, PharmD, BCPS

Dr. Murrey currently serves as the Pharmacotherapist Coordinator for Infectious Diseases for OSF Health Care, which is a 13-hospital system within IL and MI. His primary practice site is Saint Anthony Medical Center in Rockford where he is also the PGY1 Pharmacy Residency Coordinator. His responsibilities include co-coordinating the Antimicrobial Stewardship Program for OSF Health Care, providing system-wide patient care, education, and precepting students and residents. Dr. Murrey received his PharmD from the University of Illinois at Chicago College of Pharmacy. He completed his PGY1 Pharmacy Residency at Methodist Dallas Medical Center in Dallas, TX and his PGY2 Infectious Diseases Specialty Residency at Franciscan St. Francis Medical Center in Indianapolis, IN.

Melinda Neuhauser, PharmD, MPH, FCCP, FASHP

Dr. Neuhauser is Pharmacist and Acute Care Lead for CDC's Office of Antibiotic Stewardship in the Division of Health Care Quality Promotion. She received her infectious diseases residency training at Detroit Receiving Hospital and fellowship training at University of Illinois at Chicago. Prior to joining the CDC, Dr. Neuhauser worked as the National Clinical Pharmacy Program Manager in Infectious Diseases for the Department of Veteran Affairs (VA) Pharmacy Benefits Management Services and Co-Chair of the Veteran Affairs National Antimicrobial Stewardship Task Force. She has also worked as clinical pharmacy specialist in infectious diseases at National Institute of Health Clinical Research Center and University of Houston College of Pharmacy/MD Anderson Cancer Center.

Susan A. Rowan DDS, FACD

Dr. Rowan is a licensed clinical dentist and Associate Dean for Clinical Affairs at the University of Illinois at Chicago, College of Dentistry. She is a graduate of the UIC program, a practicing dentist, an alumni board past president, and Executive Committee Vice-Chair. She is a member of the Admissions, Discipline, Student Promotion, and Awards committees. Dr. Rowan is also responsible for assuring the College's compliance with the American Dental Association Commission on Dental Accreditation standards related to patient care and clinical education of dental students and postgraduate dental specialty programs residents. She completed a Teaching Fellowship in the Department of Medical Education at the University of Illinois at Chicago and in 2017 completed an American Dental Education Association Leadership Fellowship. Dr. Rowan is the primary dentist co-investigator on the grant funded project: Dental prescribing of antibiotics and opioids: high use in the absence of evidence.

Robert Runde, R.Ph

Mr. Runde is Director of Pharmacy at HSHS St. Anthony's Memorial Hospital in Effingham, IL. He received his pharmacy degree from Midwestern University Chicago College of Pharmacy and has over 15 years of experience working in hospitals, the community, and in hospice pharmacies. He has served at HSHS St. Anthony's Memorial Hospital for over 10 years. Mr. Runde completed his training as a LEAN Performance Improvement Change Leader in 2014 and became an ASQ Certified Six Sigma Black Belt in 2017. He founded the HSHS St. Anthony's Memorial Hospital's Antimicrobial Stewardship Committee in 2012.

Erica Runningdeer MSN, MPH, RN

Ms. Runningdeer is the Health Care Associated Infection Prevention Coordinator for the IDPH, Division of Patient Safety and Quality. She began her work at IDPH in October 2011 as the Project Director for the Illinois Antimicrobial Stewardship Collaborative and co-leader of the Illinois Campaign to Eliminate *Clostridium difficile* (ICE C. diff). Erica

earned a Master of Public Health and Master of Science in Nursing from the University of Illinois at Chicago and has been inducted into Delta Omega Honorary Society in Public Health and Sigma Theta Tau International Honor Society of Nursing. She is also an active member of the Council of State and Territorial Epidemiologists (CSTE) and the Association for Professionals in Infection Control and Epidemiology (APIC).

Maressa Santarossa, PharmD

Dr. Santarossa is the Transplant Infectious Diseases Clinical Pharmacist at Loyola University Medical Center. She received her Doctor of Pharmacy degree from Wayne State University Eugene Applebaum College of Pharmacy in Detroit, MI. She completed her PGY-1 residency training at the University of Illinois at Chicago College of Pharmacy and her PGY-2 residency in Infectious Diseases at the University of Michigan. Her main areas of interest include antimicrobial stewardship in immunocompromised patients and treatment of invasive fungal infections.

Carlos Santos, MD, MPHS

Dr. Santos is a transplant infectious disease physician and epidemiologist at Rush University Medical Center. He completed an internal medicine residency and chief residency at Rush University Medical Center in 2007, and finished an infectious diseases fellowship at Washington University School of Medicine in 2009. He is currently an Associate Professor of Medicine at Rush where he cares for patients with weak immune systems who have complicated infections, and performs research using large observational data.

Kacy Sifuentes, RN, BSN

Kacy Sifuentes graduated with a Bachelor of Arts degree in biology from Aurora University in 2013 and Bachelor of Science degree from Chamberlain College of Nursing in 2015. Prior to becoming a nurse she worked as a veterinary technician providing medical care to animals of all kinds. She has also worked a variety of roles in mental health for the past 8 years. She has been working at Hartgrove Behavioral Health System as a registered nurse since 2016. In 2017, Kacy began her role as the Infection Prevention, Staff Development, and Employee Health Coordinator at Hartgrove Behavioral Health System. She has also taken steps to further her career as an Infection Preventionist by attending trainings provided by APIC.

Katie J. Suda, PharmD, M.S.

Dr. Suda received her pharmacy degree from Drake University and a master's in epidemiology from University of Tennessee. Her post-doctoral training includes a pharmacy practice residency at Baptist Memorial Medical Center, a pharmacokinetics fellowship at the Clinical Pharmacokinetics Laboratory, and an infectious diseases and outcomes research fellowship at the University of Illinois at Chicago. Dr. Suda is a Research Health Scientist with the Center of Innovation for Complex Chronic Health Care at the Department of Veterans Affairs and an Associate Professor at the University of Illinois at Chicago College of Pharmacy. As an infectious disease pharmacist with additional training in health outcomes and epidemiology, her research interests include antimicrobial pharmacoepidemiology and effectiveness of antibiotic stewardship strategies. Dr. Suda has received funding from federal and non-federal sources and has written more than 100 articles in the professional literature, including research published in *JAMA* and *Clinical Infectious Diseases*.

Eric Wenzler, PharmD, BCPS, AAHIVP

Dr. Wenzler is an Assistant Professor in the Department of Pharmacy Practice at the University of Illinois at Chicago (UIC) College of Pharmacy. He recently completed a 3-year Infectious Diseases Pharmacotherapy Fellowship at UIC in June 2017. He graduated from Ohio Northern University Raabe College of Pharmacy and completed two years of postgraduate training in Infectious Diseases at The Ohio State University Wexner Medical Center. Dr. Wenzler's research interests include pharmacokinetics, pharmacodynamics, antimicrobial stewardship, and clinical microbiology.

Notes