Infection Control Part 2: The Infection Preventionist as an Environmentalist

FACULTY

Judie Brinthurst, R.N., M.S.N., C.I.C.
Judie Brinthurst is the infection preventionist and safety officer for the University of North Carolina at Chapel Hill Health Care ambulatory surgery centers, physician practices, and specialty clinics. She received her BSN from The University of North Carolina at Greensboro and her MSN from Duke University School of Nursing in Durham, North Carolina. She has served a three-year appointment to the Association for Professionals in Infection Prevention and Epidemiology’s (APIC) annual conference committee specifically representing ambulatory care needs. She has also served as faculty for APIC’s “Infection Prevention for Ambulatory Surgery Centers” course and taught throughout America. In addition to being board certified in infection control, she is certified by the State of North Carolina as a provider of her state’s regulatory infection prevention training for physician practices and dental offices.

Evelyn Cook, R.N., C.I.C.
As the Associate Director of SPICE, Ms. Cook is a principal lecturer at all SPICE infection control courses; consultant to all healthcare facilities (including nursing homes) in the state on infection prevention issues; and leads applied research projects in the area of infection control and epidemiology of infectious diseases. Evelyn served previously as Nurse Clinician and Nurse Liaison with the Duke Infection Control Outreach Network (DICON) for the Department of Medicine and PDC, PLLC at Duke University Medical Center. She has served as a SPICE consultant and has provided training, education, and consultation to hospitals, long-term care facilities, and other medical facilities to prevent and control healthcare-associated infections. She has assisted long-term care facilities in writing and developing infection prevention risk assessments, infection prevention plans and policies specific to the long-term care setting. A Registered Nurse and has National Board Certification in Infection Control, Evelyn is active in several professional organizations including North Carolina Association for Professionals in Infection Control (President 2005-06), National Association for Professionals in Infection Control and Epidemiology. She was named Practitioner of the Year in 2002 by the North Carolina Association of Professionals in Infection Control.

Samuel Eberwein, BA, Pharm. D.
As a PGY2 Resident in Administration/MS at UNC Health Care, Dr. Eberwein conducts research on pharmacoconomics and competency assessment in the pharmacy. He attended Campbell University for undergraduate and pharmacy school. Dr. Eberwein was drawn to the Health-System Pharmacy Administration residency program at the University of North Carolina for its tradition of excellence in clinical practice, emphasis on teamwork and the culture of mentorship that has been developed. The dynamic leadership team focuses on maximizing learning opportunities by tailoring the residency program to meet individual needs, making the HSPA residency program at UNC is the perfect place for developing future pharmacy leaders.
Jennifer MacFarquhar, R.N., M.P.H., C.I.C.
As a CDC Career Epidemiology Field Officer (CEFO) assigned to the NC DPH, Ms. MacFarquhar provides leadership, guidance, and direction to strengthen the statewide communicable disease outbreak response, serves as the HAIP Prevention Program team lead, and developed an educational curriculum for outbreak management. Ms. MacFarquhar served as a CEFO and on a CDC Epidemic Intelligence Service (EIS) fellowship with the TN DOH, working on outbreak investigations, epidemiologic studies, public health surveillance systems, integrated surveillance platform, H1N1 Vaccine Distribution response, and advised the Ministry of Health in Zambia on behalf of the CDC to establish influenza sentinel site surveillance. Ms. MacFarquhar received her master’s in public health and a graduate certificate in community preparedness and disaster management from UNC-CH, and a bachelor of science in nursing from Cedarville University. She has maintained certification in infection control and epidemiology since 2000.

Jill D. Moore, M.P.H., J.D.
Jill Moore is a UNC School of Government faculty member who specializes in public health law. Ms. Moore received her MPH from the University of North Carolina in 1988 and her law degree from the University of North Carolina in 1996. She joined the SOG faculty in 1997. Her research and teaching areas include the legal roles, powers, and duties of local public health agencies, boards, and directors in North Carolina; communicable disease control law; HIPAA and medical confidentiality law; consent to treatment for children and adolescents; and environmental health law.

William A. Rutala, Ph.D., M.P.H.
Dr. Bill Rutala recently retired from his position as Director of Hospital Epidemiology, Occupational Health and Safety Program at the University of North Carolina Hospitals. He is currently a Research Professor for the Division of Infectious Diseases at the University of North Carolina’s School of Medicine, and serves as the Director and co-founder of the Statewide Program for Infection Control and Epidemiology at the UNC School of Medicine. He is a retired Colonel with the U.S. Army Reserve. Dr. Rutala is certified in infection control. He is an advisor to the Centers for Disease Control and Prevention (a former member of the Healthcare Infection Control Practices Advisory Committee [HICPAC], 1999-2003), the Food and Drug Administration (a former member of the General Hospital and Personal Use Devices Panel), the U.S. Environmental Protection Agency (a member of the Scientific Advisory Panel on Antimicrobial Research Strategies for Disinfectants) and the Federal Trade Commission. Dr. Rutala is a member of various committees on the local, state, national and international level as well as several professional societies including the American Society for Microbiology, Association for Professionals in Infection Control and Epidemiology and the Society of Healthcare Epidemiology of America. He serves on the editorial board of the Infection Control and Hospital Epidemiology. He has more than 600 publications (peer-review articles, books, book chapters, brief reports) in the fields of disinfection and sterilization to include several guidelines (e.g., CDC Guideline for Disinfection and Sterilization in Healthcare Facilities), and the epidemiology and prevention of healthcare-associated infections. Dr. Rutala has also been an invited lecturer at over 370 state, national and international conferences (in over 40 states, 35 countries) and has testified twice before the U.S. Congress. Dr. Rutala earned his Bachelor of
Science degree in science from Rutgers University, his master's degree in microbiology from the University of Tennessee, and both his master's in public health and doctorate in microbiology from the University of North Carolina School of Public Health.

**Dalton C. Sawyer, MS, CHEP**

Director, Environmental Health and Safety/Business Continuity/Crisis Management at UNC Health Care where he oversees and leads the Environment of Care, Emergency Management, Business Continuity, Critical Incident Stress Management, and Critical Infrastructure Protection programs and facilitates system standardization activities across network affiliates. He also serves as executive sponsor for quality and performance improvement projects. He has a B.S. in Emergency Administration and Management from Arkansas Tech University in Russellville, AR. Since his work with the U.S. Forest Service as a fire fighter, he has worked in various emergency management positions. He has been involved in a variety of training programs throughout his career including serving as a firefighter with the U.S. Forest Service. He is a member of International Association of Emergency Managers as well as the North Carolina Emergency Management Association.

**Jason Smith, BS**

Mr. Smith is the Director of Environmental Services at UNC Hospitals, an 850-bed teaching hospital with 2.5 million cleanable square feet of space. His team consists of 2 Operations Managers, 1 Multi-Service Manager, 10 frontline Managers, and 250+ employees responsible for all aspects of hospital cleaning to include: inpatient, outpatient, office, lab, and OR/Procedural spaces. Mr. Smith is a graduate of NC State University. His professional interests include facilities management, training, and hospitality.

**David van Duin, M.D., Ph.D., F.A.C.P.**

Dr. van Duin is an Associate Professor of Medicine, serving as Director of the Immunocompromised Host Infectious Diseases Section. He received his medical degree from the University of Amsterdam, The Netherlands, and completed an Infectious Diseases Fellowship and Ph.D. in Investigative Medicine at Yale University. He has board certifications in internal medicine and infectious diseases. Dr. van Duin's research interests include the study of multi-drug resistant gram-negative bacterial infections, and infections in iatrogenic immunocompromised patients, such as solid organ transplant recipients, and hematopoietic stem cell transplant recipients.

**David J. Weber, M.D., M.P.H.**

David J. Weber has been on the faculty of the University of North Carolina at Chapel Hill since 1985 where he is currently a Professor of Medicine and Pediatrics in the School of Medicine, and a Professor of Epidemiology in the School of Public Health. Dr. Weber serves as the Associate Chief Medical Officer for UNC Hospitals. He also serves as the Medical Director of the Statewide Program for Infection Control and Epidemiology; and Medical Director of Epidemiology and also of the Departments of Hospital Epidemiology (Infection Control) and Occupational Health. He is Board Certified in Internal Medicine, Infectious Disease, Critical Care Medicine, and Preventive Medicine. He serves as an Associate Editor of Infection Control and
Hospital Epidemiology. His research interests include healthcare-associated infections, new and emerging pathogens (norovirus, SARS-coV, CA-MRSA, pfiesteria), infections in child care centers, and antibiotic resistant pathogens.

**Zachary Willis, MD, MPH**
Dr. Willis completed pediatric residency and fellowship in pediatric infectious diseases before joining the faculty of the UNC Department of Pediatrics in September 2016. The focus of his research during fellowship and as faculty has been on antimicrobial stewardship. Dr. Willis’s research is primarily focused on promotion of appropriate use of antibiotics in children in both inpatient and outpatient settings. He also studies the epidemiology and prevention of antibiotic-associated complications, such as antibiotic-resistant infections and C. difficile infections. Dr. Willis serves as the director of the pediatric antimicrobial stewardship program for UNC Health Care. In that capacity, he closely follows the epidemiology of highly drug-resistant organisms and current evidence-based strategies for optimal treatment.