



Health and Safety

Recommendations for Reducing *Cryptosporidium* Infection Risk in Swimming Pools



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Laura M. Suppes, PhD, MPH, REHS, is an Assistant Professor with the Environmental Public Health program at the University of Wisconsin – Eau Claire. She received her BSEPH from the University of Wisconsin – Eau Claire, MPH in Public Health Policy and Administration from the University of Minnesota, and PhD in Environmental Health Sciences from the University of Arizona. Her research interests are chemical, biological, and physical hazard identification and remediation in recreational water environments, exposure assessment, and quantitative microbiological risk assessment. Dr. Suppes became interested in recreational water safety while working as a Registered Environmental Health Specialist for a local health department in Minnesota. Her most recent research focuses on assessing human input of pharmaceutical and personal care products in swimming pools.

Opportunities for Preventing Mass Chlorine Exposures at Recreational Swimming Pools



Dr. Jason Wilken
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Jason Wilken, PhD, MPH, is a CDC Career Epidemiology Field Officer detailed to the California Department of Public Health. His areas of expertise are disaster epidemiology, emergency preparedness and response, and occupational factors in infectious diseases.



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Matt Kaufmann, BS, is currently an Assistant Director of Hazardous Materials Programs with Contra Costa Health Services Hazardous Materials Programs. Matt oversees electronic reporting, the enforcement program, underground storage tank program, aboveground storage tank program, as well as the hazardous materials incident response program. Previously, Matt was a Hazardous Materials Specialist conducting facility inspections for Contra Costa Health Services.



Michele DiMaggio, REHS

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Michele R. DiMaggio is a Retail Food Program Supervisor with Contra Costa County, Environmental Health Division in California. She actively participates in the Department and Division's Emergency Management and Outbreak Investigation Teams. She is a NEHA active member and collaborates as a Food Safety Subject Matter Expert. She is also a Technical Advisor and instructor for California Department of Public Health's Environmental Health Training in Emergency Response, U.S. Food and Drug Administration's Temporary Food Establishments course, Partnership for Food Protection (PFP) Surveillance, Response, and Post Response Workgroup, and PFP Training & Certification Workgroup.



Svetlana Smorodinsky, MPH

Epidemiologist
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Svetlana Smorodinsky, MPH, has been involved in a variety of public health endeavors, including injury prevention and environmental studies. Most recently, she has been working in the field of emergency preparedness and response, focusing on environmental and occupational incidents and disaster epidemiology.

Evaluation of Swimming Pool Treatment Chemical Health Effects Under NSF/ANSI Standard 50



Kevin D. Cox
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Kevin Cox is a Managing Toxicologist at NSF International working in the area of human health risk assessments. His areas of work have included health effects assessments for drinking water contaminants, dietary supplements, toy products, as well as pool and spa chemicals. Prior to his current role, Mr. Cox was the Supervising Toxicologist for NSF International's Drinking Water Additives and Dietary Supplement certification programs. Kevin received his B.S. in biochemistry and history from the University of Michigan and his MPH in environmental health sciences - toxicology from the University of Michigan School of Public Health. Mr. Cox is currently an associate member of the Society of Toxicology.

Dangerous Underwater Breath-Holding Behavior-Related Drownings in NY, 1988-2011



Amanda R. Levy, M.S., MPH
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For over 10 years, Ms. Levy has worked within the New York City Water Supply as an employee of the City of New York as a Scientist, Water Ecologist and currently as a Public Health Epidemiologist for the NYC Department of Health and Mental Hygiene, Bureau of Environmental Science and Engineering. Ms. Levy is involved in multiple monitoring programs to ensure that the drinking water supply, recreational water facilities and sanitary sewage conditions are in full compliance with federal, state and city health code requirements. These responsibilities have included serving as the Surveillance Project Director for all drowning investigations under the Active Surveillance for Fatal Drowning Incidents at NYC Bathing Facilities, managing EPA public notification research and citywide intra-agency Learn to Swim programming as part of the bureau's water health and safety objectives. Ms. Levy is currently a doctoral candidate at Teachers College, Columbia University, researching water science and engineering education among elementary school science teachers and students.

Lifeguarding and the Model Aquatic Health Code



Roy Fielding

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Roy Fielding is a Senior Lecturer in the Department of Kinesiology at the University of North Carolina at Charlotte. Mr. Fielding is the former program coordinator for the Exercise Science degree program in the Department of Kinesiology as well as Director of Aquatics for the Department of Recreational Services. Mr. Fielding has assisted the American Red Cross over the last 10 years with the development and implementation of the Lifeguard and Lifeguard Management programs, in addition to serving as an American Red Cross volunteer for more than 45 years. Fielding has recently served as Vice Chair for two Centers for Disease Control and Prevention Committees for the Model Aquatic Health Code. Mr. Fielding has been awarded both the American Red Cross Special Citation for Exceptional Volunteer Service and the Scientific Advisor Council's Chairman's Award. Roy was recently named one of top most influential individuals in aquatics in the United States. He is a member of the University of Northern Iowa Athletic Hall of Fame for swimming and the School of Health, Physical Education, and Leisure Studies Hall of Excellence.

Technology and Innovation

Introducing Aquatic Inspector: A CDC iPad App to Streamline Pool Inspections



Jocelyn Cozzo

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Jocelyn Cozzo is a Front End Web Developer and leads user-centered design for the Aquatic Inspector iPad app. She maintains a host of federal websites and champions accessibility and simplicity for all.



Sarah Pomerantz, MPH

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Sarah Pomerantz is a Project Director and oversees the user-centered design and development of the Aquatic Inspector iPad app. She has over 8 years of experience leading web and communications product development for public and environmental health agencies.



Jansen Kunz, MPH

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CDR Jansen Kunz is a commissioned officer in the United States Public Health Service at CDC's National Center for Environmental Health. He is the Model Aquatic Health Code co-lead for CDC. CDR Kunz leads projects that strengthen state, tribal, and local environmental health services.

Advanced Chemistry and Its Impact on Disinfection



Dr. Roy D. Vore

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Dr. Vore is a technology manager at BioLab, Inc. His work focuses on the control of microbial growth in recreational water and aqueous industrial systems. Roy is a Certified Pool & Spa Operator, a member of NSPF's Education Committee, an active contributor to APSP's Recreational Water Quality Committee, was a major contributor to the Disinfection Water Quality module of the MAHC, and the lead author of NSPF's Recreational Water Illness handbook. Dr. Vore received his Ph.D. in bacterial physiology from the University of Arkansas and his masters and bachelors in microbiology from Pittsburg State University, Pittsburg Kansas. Dr. Vore has over 70 scholarly papers and presentations on the selection and use of industrial biocides, biocide testing methodology, the microbiological of swimming pools and spas, and the governmental regulation of biocides.

Swimming Pool Technologies: Are These the Answer?



Kevin Post, MBA

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In the role of Principal and Studio Director, Kevin specializes in providing facility evaluations, aquatic facility business plans, city-wide aquatic master plans, and Certified Pool Operator instruction and certification. As a past competitive swimmer and Aquatics Director, Kevin draws on this aquatic experience allowing him to address the needs of various client types. Kevin has written numerous articles and hosted various presentations across the country on topics ranging from creating partnerships for a successful aquatic facility to sustainable aquatic business practices.

Flootation Systems in the State of Washington



Paul J. Reeves

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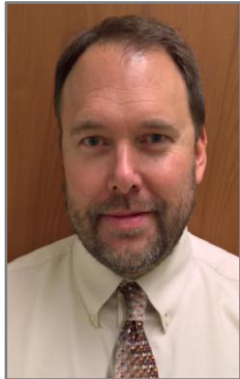
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Paul Reeves started in environmental health in the late 1980's at Washington County, Minnesota, then moved to Colorado to work for the Town of Vail. He spent about 10 years in private industry building custom cabinetry, log furniture and log homes and as a self-employed contractor in Mississippi following in the wake of Hurricane Katrina. He came back to environmental health in 2010 to work for the State of Montana as the Training Coordinator and Pool Program Manager. He has been with the State of Washington for four years.

Inspections and Training

Reducing Drownings Through Epidemiology and Interventions



Eric J. Wiegert, MPH

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Eric Wiegert of the New York State Department of Health has worked in environmental health protection for 22 years. He holds a bachelor's degree in Biological Sciences and a master's degree in Public Health. At the Department of Health, Eric specializes in recreational water topics such as drowning, injury and illness prevention and water quality within a number of regulatory and grant programs. He serves on the Great Lakes Beach Association Elected Board, serves on a Standard Methods committee for water analysis, and has co-authored reports published by the CDC on harmful algae bloom related illness and drowning; including a recent article on novel risk factors associated with unintentional drownings.

Network for Aquatic Facility Inspection Surveillance Data on Immediate Closures and Violations: Unlocking the Potential Power of Aquatic Inspection Data



Michele Hlavsa, MPH

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Michele Hlavsa, RN, MPH, is Chief of CDC's Healthy Swimming Program in the Domestic Water, Sanitation, and Hygiene Team in the National Center for Emerging Zoonotic and Infectious Diseases (NCEZID). Michele was an Epidemic Intelligence Service Officer prior to joining the Healthy Swimming Program and has worked on a number of outbreak investigations of waterborne and foodborne diseases at CDC. She received a BS degree in Nursing from The College of New Jersey, and an MPH from Emory University. Michele's areas of expertise include the transmission of pathogens that cause recreational water illness, in particular *Cryptosporidium*, and development of appropriate prevention and control measures, and she collaborates with state and local health authorities and the private sector on RWI prevention efforts.

Expanding Swimming Pool Educational Outreach



Adam Holbrook, RS, REHS

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Adam is currently a Program Coordinator at Columbus Public Health in Columbus, Ohio, where they license around 800 pools and spas. Adam is a Registered Sanitarian in the state of Ohio, a Registered Environmental Health Specialist with NEHA, and a NSPF Certified Instructor. He holds Bachelor Degrees in Environmental Health and Industrial Hygiene, along with an Associate Degree in Environmental Engineering Technology from Ohio University. In addition to working as a health official, he has had extensive experience working for a pool company maintaining and building swimming pools. He has many years of experience with all environmental health programs but has been requested to speak and train professionals with his expertise in recreational water many times. In addition to the award winning recreational water program, Adam coordinates the Water and Land Protection Program of the Environmental Health Division in Columbus which handles sewage treatment systems, private water, solid waste, body art, campgrounds, institutions, and various other programs. Additionally, he is a part of Columbus Public Health's On-Call Emergency Response Team.

Understanding & Applying Lifeguard/Bather Supervision and Operational Entries in the MAHC



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Joe Stefanyak is a Director with Jeff Ellis & Associates, Inc. Joe has been in the Theme Park/Waterpark industry for over 30 years. Joe works closely with over 620 municipalities, corporate and private waterparks, and water resorts throughout the U.S. and in various countries abroad, in the evaluation and implementation of Standard Operating Procedures. Jose has led or assisted with conducting and administering countless International Lifeguard Training Program™ courses and instructor courses over the past 30 years. He has contributed to textbooks published by Jeff Ellis & Associates, Inc. and has provided articles for a variety of industry publications. He is also an active participant in IAAPA, WWA, AOAP, CDPC and various state and regional committees, and is a participating member of ASTM and CMAHC and has done numerous presentations on the MAHC, Industry Trends, Aquatic Safety, Lifeguarding Issues, Leadership, and a variety of other topics. Joe was recognized as the 2014 World Waterpark Association's – Kelly Ogle Memorial Safety Award Recipient; "Awarded to an individual or organization for significant contributions to guest and employee safety in the water attractions industry."