28th National Radon Training Conference

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Conference of Radiation Control Program Directors, Inc.

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<td>Patrick Daniels, Illinois</td>
<td>Chairperson</td>
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<td>Eleanor Divver, Utah</td>
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<td>Jorge Laguna, Florida</td>
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<td>Chrystine Kelley, Colorado</td>
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<td>Joshua Kerber, Minnesota</td>
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<td>Phillip Gibson, North Carolina</td>
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<td>Kirsten Hesla, EPA</td>
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Welcome to the 28th National Radon Training Conference


CRCPD’s E-25 Committee on Radon developed the agenda from the 27th National Radon Training Conference. Attendees of last year’s National Training Conference in New Orleans Louisiana, suggested many of the topics and presentations. We really encourage you to complete and submit the daily critique forms about this meeting. Your input is valuable. Let us know what you think.
The Radon Hero Award was approved by the CRCPD Board of Directors in November 2006.

The CRCPD recognizes that exposure to indoor radon is a significant contributor to total radiation exposure received by the public and is the second leading cause of lung cancer. This award is to recognize an individual who has demonstrated leadership in reducing the health effects of radon exposure. The award will be given based on the individual's contribution to this effort, on their breadth and scope of services, and commitment to sustained radon risk reduction.

**Recipients**

- 2007 – Phil Anthes
- 2008 – Kevin Stewart
- 2009 – Michael Pyles
- 2010 – Robert Stilwell
- 2011 – Patrick Daniels
- 2012 – William J. Bell
- 2013 – Robert Lewis
- 2014 – Marybeth Rich
- 2015 – Larainne Koehler
- 2016 – Angela Tin
- 2017 – Clark Eldredge
- 2018 - Bruce Snead
Disclaimer
The opinions and statements of individuals, agencies, or corporations, presented in the form of papers, exhibits, or any other methods of expression at this conference are not necessarily endorsed by, nor the opinion of, the Conference of Radiation Control Program Directors, Inc. (CRCPD), and CRCPD has no responsibility or liability for the contents thereof.
Welcome
- Ruth E. McBurney, CHP (CRCPD Executive Director)

Kentucky Welcome
- The Honorable Dr. Jeffrey Howard (Commissioner, Kentucky Department of Public Health)

Keynote Address:
- Understanding the Cost of Lung Cancer
  - Dr. Tim Mullett (University of Kentucky, College of Medicine)

US EPA Region Program
- Bill Long (EPA)

Update from the Hill
- Dallas Jones (AARST)

Synergistic Risks for Lung Cancer: Breathing Radon and Tobacco Smoke
- Dr. Karen M. Butler (College of Nursing, University of Kentucky)

Lung Cancer Stigma
  - Angela Criswell, MA (Kentucky LEADS, Lung Cancer Alliance)

FRESH: Freedmon from Radon Exposure and Smoking in the Home
  - Ellen Hahn, Ph.D., RN, FAAN (Professor and Director, BREATHE)

Joint Leadership Update
- Phil Jenkins/Dallas Jones (AARST)
- Patrick Daniels (CRCPD, Chairperson, E-25 Committee on Radon)

Prescription for Radon: Education in a Healthcare Setting
- Stacy Stanifer, MSN, APRN, AOCNS (UK BREATHE, Ph.D. Student)

How (and why) and AHEC has begun to ‘Step Up to Reduce Radon’
- David A. Gross, MPA (Director, Northeast KY AHEC)

The Difference Between Lobbying, Advocating and Educating
- Kristian Wagner, MS, RD, LD (Kentucky Cancer Consortium)

Radon Guide for Health Care Providers
- Dr. William Field (University of Iowa)
Partnerships: States, Universities, Cancer Control Programs
Ellen Hahn, Ph.D., RN, FAAN (Professor and Director, BREATHE)
Clay Hardwick (KY Radon Program)
Kristian Wagner, MS, RD, LD (Kentucky Cancer Consortium)
Renee Fox, MS (Health Educator, BREATHE, University of Kentucky, College of Nursing)
Kyle Hoylman (Protect Environmental)
Heather Robertson (Assistant Director of Administration and Operations, BREATHE, University of Kentucky College of Nursing)

MAPPING AND GEOLOGY SESSION
Moderator: Eleanor Divver (Member, E-25 Committee on Radon)

Using Geology to Communicate Radon Potential to the Public
- Bethany Overfield (Kentucky Geological Survey)

Radon Intercomparisons
- Phillip H. Jenkins, PhD, CHP (AARST)

Federal Radon Policy Impact on State Radon Programs
- Shawn Price (Spruce Environmental Technologies)
- Kyle Hoylman (Protect Environmental)

Cost and Benefit Comparison of Radon Interventions
- Jani Palmer (EPA)

Mastering The Legislative Process
- Representative Steve Riggs (Kentucky House of Representatives, 31st Legislative District)

Kentucky Radon Awareness Policy Initiative
- Kyle Hoylman (Protect Environmental)

Kentucky Radon Legislation & Contractor Certification
- Clay Hardwick (KY Radon Program)

Engaging the Medical Community in Radon Awareness
- Renee Fox (Health Educator, BREATHE, University of Kentucky, College of Nursing)

Huntsman Cancer Institute Outreach and Social Media
- Garrett Harding (Huntsman Cancer Institute Social Media and Outreach)

2018 Radon Poster and Video Contest
- Stephanie Huber (American Lung Association)

Connecting with Customers at Their Favorite Locale Entertainment Destination
- The Movies!
- Tim Brady (NCM, America’s Movie Network)
Cooperation Between CRCPD and IAEA on Radon Related Matters
- Tony Colgan (Head, Radiation Protection Unit, International Atomic Energy Agency)

Radon in Peru
- Jorge Laguna (Florida Radon Program)

CanSar Update
- Kyle Hoylman (Protect Environmental)

Most People are in the Dare About Radon
- Gloria Linnertz (Citizens for Radioactive Radon Reduction)

Moderator: Chrys Kelley (Member, E-25 Committee on Radon)

Contaminated Structure Project on Navajo Nation (CSP)
- Vivian Craig (NNEPA Superfund Program)

Radon Changes After Energy Upgrades: Results from Assessment of Radon Reduction Interventions with Energy Retrofits (BARRIER Study)
- Stacy Gloss (Applied Research Institute, UIUC)

Earth Study Evaluation and Assessing Radon Testing in Housing
- Calvin Murphy (AARST Foundation)

Radon in Water
- Michael Kitto (New York Department of Health)

Mitigation Challenges Radon Emanation – Building Materials
- Kyle Hoylman (Protect Environmental)

Mitigation Diagnostics in Basements: A Case Study in Fixing a Failed “One-Hole, Punch and Pray” SSD Mitigation System in Teller County
- Steven Merritt (Manus Mitigation, Inc.)

**BUILDING TECHNICAL CAPACITY TRAINING**

This course provides information about properly installed radon mitigation systems, along with an overview of radon, radon entry and behavior, standard radon mitigation methods, available system checklists from national programs and regulatory states, and lots of examples of what and what not to do.

Instructors: Joshua Kerber/Jorge Laguna/Bruce Snead

Radon Fundamentals and Mitigation Strategies

Radon Mitigation Standards

Inspection Checklists – Part 1

Break
Inspection Checklists – Part 2

Examples

Hall of Shame

Course Evaluation and Quiz
Exhibitors
Speakers and Moderators
Karen Butler, DNP, RN, Professor, Assistant Dean of Academic Operations, University of Kentucky College of Nursing. Dr. Karen M. Butler was awarded her Bachelor of Science in Nursing from the University of North Carolina at Chapel Hill and her Masters’ of Science in Nursing from the University of Kentucky, where she also received the Graduate Faculty Award for Academic Achievement. In May 2006, she earned her Doctor of Nursing Practice (DNP) degree, also from UK, and upon graduation received the inaugural Sebastian-Stanhope Award, now presented annually to an exemplary DNP student. Dr. Butler is also a Faculty Associate in the BREATHE (Bridging Research Efforts and Advocacy Toward Healthy Environments) and Tobacco Policy Research Programs in the College of Nursing, which consist of an interdisciplinary group of researchers focused on cancer control and prevention; she is currently the Co-Director of the Radon Policy Division of BREATHE.

Tony Colgan is a health physicist who is head of the Radiation Protection Unit at the International Atomic Energy Agency. Before joining the IAEA in 2009, he was deputy director of Ireland’s Radiation Protection Institute. At IAEA, Tony is responsible for providing oversight for the development and implementation of radiation protection standards, including those relating to public exposure due to radon.

Vivian Craig is from the Navajo Nation. Her duties include working on the Contaminated Structures Project (CSP) which addressing homes that are made of Uranium mine waste. Navajo Nation has over 500 Abandoned Uranium Mines (AUM), NNEPA Superfund has completed over 1100 assessments since 2007. When a family qualifies for a replacement home it constructed with a Radon Resistant Barrier. Vivian enjoys working for NNEPA Superfund Program and her Dine’ People.

Angela Criswell serves as Senior Manager of Medical Outreach for Lung Cancer Alliance (LCA) where she provides technical assistance to lung cancer screening programs to advance best practices; facilitates program engagement within the Screening Centers of Excellence network; and coordinates LCA’s partnership in the Kentucky LEADS Collaborative—a pilot project with the University of Kentucky and the University of Louisville to advance Lung Cancer Education, Awareness, Detection, and Survivorship. She serves on the International Association for the Study of Lung Cancer (IASLC) Smoking Cessation and Tobacco Control Committee, the leadership committee of the Kentucky Cancer Consortium’s Lung Cancer Network and the advisory board of the Kentucky Prevention Network.

Previously, Angela managed the Kentucky Department for Public Health’s Tobacco Prevention and Cessation Program. She taught political science at the college level for 8 years, has an M.A. from the University of Virginia, and is a Certified Prevention Specialist.

Patrick Daniels serves as the Illinois Radon Program Manager. Patrick started his career as a reactor plant operator in the US Navy Submarine Service and performed safety inspections of radioactively contaminated sites in Illinois. Patrick received in 2011 the CRCPD National Radon Hero and in 2014 the James Miller Award for his leadership and dedication to reducing the health effects of radon exposure.

Eleanor Divver started working in the Radon world in 1993 when she was with the Salt Lake County Health Department. She then taught Public Health, Environmental Health and Healthy Lifestyles at the University of Utah for many years. Currently, she is working for the State Department of Environmental Quality as the Radon Project Coordinator. Eleanor loves to be working in the Radon Field again.
**R. William “Bill” Field, Ph.D., MS**, is recognized as one of the foremost authorities on radon, not only for his research into the radioactive gas, but because of his advocacy and outreach efforts. He helped identify radon as the leading environmental cause of cancer deaths in the United States, and remains dedicated to educating the public about the health risks of radon and ways to reduce exposure in homes, schools and at work. Dr Field was the lead author of the Conference of Radiation Control Program Directors recently released Reducing the Risk From Radon: Information and Interventions, A Guide for Health Care Providers, that provides clinicians with guidance to help their patients reduce exposure to radon.

**Renee Fox** is the Program Coordinator for the University of Kentucky – College of Nursing’s BREATHE Radon Policy Division, providing health education and direction for all radon initiatives. Her expertise includes health education, communications and marketing. Renee received her Bachelor of Arts in Journalism from the University of Memphis.

**Stacy Gloss** works as a Research Specialist for the Indoor Climate Research and Training group at the University of Illinois at Urbana-Champaign. She received an M.A. in Appalachian Studies with a concentration in Sustainable Development from Appalachian State University. She also received an M.S. in Management and a B.S. in Psychology from the University of Florida. Stacy performs field research on energy use and indoor air quality in buildings. She also conducts outreach, coordinates participation, and works closely with agency partners across the country in ICRT’s research studies. Prior to joining ICRT in 2014, she spent time working in the field of energy efficiency as a policy advocate in Charleston, West Virginia and worked for the Weatherization Assistance Program in Knoxville, Tennessee.

**David A. Gross**, MPA, is administrative director for education and research at St. Claire HealthCare, based in Morehead, KY. His duties include directing the Northeast Kentucky Area Health Education Center, coordinating graduate medical education programs, and managing sponsored research activities. He is a prior member of the National Rural Health Association’s Rural Health Congress and is a past president of the Kentucky Rural Health Association (KRHA). In the latter position, he brokered a formal partnership in 2012 with the Smoke-free Kentucky organization in which KRHA was contracted to perform grassroots advocacy in support of a statewide indoor smoking ban. Gross earned a bachelor of arts degree from Morehead State University and a master of public administration degree from Eastern Kentucky University.

**Ellen J. Hahn, PhD, RN, FAAN**

Ellen J. Hahn is a Professor in the Colleges of Nursing and Public Health at the University of Kentucky (UK) in Lexington. She holds the Marcia A. Dake Endowed Professorship in the College of Nursing. Dr. Hahn directs the BREATHE (Bridging Research Efforts and Advocacy Toward Healthy Environments) research team including the Radon Policy Division in the College of Nursing. Dr. Hahn and her colleagues have recently completed a large randomized controlled trial, named FRESH, to test a personalized environmental report back intervention to reduce radon and smoking in the home. Dr. Hahn is also Deputy Director for UK-CARES (Center for Appalachian Research in Environmental Sciences) and Leader of the Community Engagement Core.

**Garrett Harding** is the Community Outreach Manager of Huntsman Cancer Institute HCI at the University of Utah. His program assesses need for, implements, and evaluates cancer prevention education and community engagement efforts across Utah and the Mountain West. Mr. Harding works in collaboration with internal clinical and research programs and external community partners to address health equity in targeted populations with projects ranging from radon awareness and tobacco policy, to cancer screening, sun safety in targeted populations, and lifestyle factors related to primary prevention.
Mr. Harding received a bachelor of science in Public Health and a minor in Communications from Brigham Young University. He is a trained patient navigator, certified tobacco cessation facilitator, and is fluent in Spanish. In addition to his role at Huntsman Cancer Institute, he serves on the executive committee of the Utah Cancer Action Network and as Vice-Chair of the Utah Tobacco Free Alliance, a statewide coalition aimed at eliminating tobacco use statewide through advocacy, education, and policy.

Clay Hardwick is the State Radon Program Coordinator within the Kentucky Department for Public Health. He has been in this position since 2005. His energy and focus has been on strengthening and growing critical partnerships within the Kentucky Radon Coalition. Through ongoing education strategies, his support has went toward radon contractor certification and development of measurement and mitigation protocols. In 2017, he served as a member of the Radon Measurement Quality Assurance Committee with AARST.

Dr. Jeffrey Howard is the Commissioner of the Kentucky Department of Public Health.

Kyle Hoylman co-founded Protect Environmental in 2005, where he currently serves as its managing partner. He has managed more than 7,500 vapor mitigation projects over the past 12 years, ranging from single family residences and multifamily buildings to schools and large commercial buildings. Kyle currently serves on the EPA Vapor Intrusion Science Advisory Committee and the EPA Radon Leadership Committee, which is responsible for developing the National Radon Action Plan. Kyle also chairs the executive stakeholder committee responsible for overseeing the development and maintenance of ANSI standards for radon measurement and mitigation, serves on the board of the American Association of Radon Scientists and Technologists and is president of the Kentucky Association of Radon Professionals.

Stephanie Huber is an Environmental Programs Manager with the American Lung Association. She received a MA in Environmental Studies from the University of Illinois at Springfield and has a BS in Environmental Studies from Illinois Wesleyan University. Her previous work experience includes interning for DuPage County’s Stormwater Management, the Ecology Action Center in Bloomington-Normal, and Brookfield Zoo.

Phillip H. Jenkins, Ph.D., CHP, PRESIDENT is a Certified Health Physicist with forty years’ experience with radon. Phil has served on the AARST board for several years and became President during the symposium in San Diego. Among the many AARST initiatives, he focuses especially on efforts related to standards, training and radon measurement intercomparisons, both national and International.

Dallas Jones is the Executive Director of AARST. With 24 years of radon-related experience in device manufacturing, radon chamber operations, measurement and mitigation services, quality control administration and public policy pursuits, Dallas drafted the original Radon Awareness Act that Gloria Linnertz convinced the Illinois Legislature to pass in 2008, conceived of the American Radon Policy Campaign and co-founded CanSAR.

Chryistine Kelley has been an Environmental Protection Specialist with the Colorado Department of Public Health & Environment, Hazardous Materials and Waste Management Division for the past 26 years and holds a Bachelors of Science Degree in Environmental Health from Colorado State University. She has been the Radon Program Manager for the state of Colorado and an AARST member for 12 years. She serves on the Executive Stakeholders Committee of the AARST Consortium on National Radon Standards, the National Radon Proficiency Program Policy Advisory Board and provides input to standards setting committees.
The Colorado Radon Program oversees the distribution of EPA Indoor Radon Grant Funds to local, public and private entities interested in radon outreach and education to the general public, builders, realtors and others impacted by radon issues.

Michael Kitto is a retired research scientist from the Nuclear Chemistry Laboratory at the New York State Department of Health in Albany, NY. The majority of his research focuses on the occurrence of radon and other radionuclides in air and water, resulting in over 50 peer-reviewed journal publications and 60 speaker presentations. Dr. Kitto is chairman of the AARST Committee to develop radon-in-water protocols, which he will discuss today.

Jorge Laguna is the Environmental Manager for the Florida Radon and Indoor Air Program. Mr. Laguna graduated with a B.A. in Biology from Central College in Iowa, and also has a M.S. from the University of California San Diego. Jorge has been working on various environmental issues for 25 years and has over 11 years of practical experience in the radon field; and has provided numerous presentations and educational programs to the general public, radon professionals, and other partners. He is a member of the E-25 Committee on Radon and is usually consulted on regional and national radon issues.

Gloria Linnertz is the President/Founder of Citizens for Radioactive Radon Reduction. Since lung cancer took my husband’s life February 8, 2006, I’ve devoted my life to radon education and awareness. Sharing our story with others in the hope of preventing future radon-induced lung cancer deaths has expanded my acquaintances to include many legislators, industry professionals, government officials, and medical personnel throughout the nation. I am very proud and thankful for the IL radon program and appreciate the drafting of the IL Radon Awareness Act by Dallas Jones of AARST and for the caring and concern that my state representative, Dan Reitz, gave to the me and the people of IL in sponsoring this bill which passed the house and senate unanimously and signed into law by the governor on August 16, 2007. Helping to activate the radon community and general public with activities of awareness and education is an on-going effort. I am excited about the growing participation throughout the county and beyond in Citizens for Radioactive Radon Reduction and our new electronic radon news magazine, CR3 NEWS, published by lung cancer survivor and PA representative of our organization, Jackie Nixon.

William Long is the Director of the Center for Radon and Air Toxics in EPA’s Indoor Environments Program. He has over 20 years of experience directing national and international environmental programs to improve air quality and save lives at the US EPA.

Ruth E. McBurney, CHP, is the Executive Director of the Conference of Radiation Control Program Directors. Ms. McBurney is currently serving as a Member of Council and the Board of Directors of the National Council on Radiation Protection and Measurements. She is a past President of the Health Physics Society and is a Certified Health Physicist. Ms. McBurney holds a Master of Science Degree in Radiation Sciences from the University of Arkansas for Medical Sciences.

Steven Merritt is a Certified Industrial Hygienist who is passionate about reducing clients’ indoor environmental health risks and educating people about radon. He brings over 20 years of environmental field experience, degrees in Chemistry and Radiation Health Physics from the Colorado School of Mines and Oregon State University, respectively, and multiple radon and environmental health certifications to his 3-years of AARST-NRPP membership.
Dr. Timothy Mullett is a thoracic and cardiac surgeon at University of Kentucky College of Medicine at UK Healthcare. He received his medical degree from University of Florida College of Medicine Gainesville. Dr. Mullett co-leads one of the major components of the Kentucky LEADS Collaborative to improve lung cancer survival, he also serves as medical director for both the UK Markey Cancer Center Affiliate and Research Networks.

Calvin Murphy resides in Mt Vernon, IL and is President of Allied Radon Services, Inc. Calvin has been involved in the radon industry since 1988. He has previously served as president of the AARST Midwest Chapter and has served on the AARST Board of Directors and as AARST Treasurer. He currently serves as the AARST Finance Director, Assistant Treasurer of the AARST Radon PAC, and President of the AARST Foundation.

He is also the data coordinator for the recently launched EARTH - Evaluating and Assessing Radon Testing in Housing – study which is collecting data from multifamily radon measurements. The study which is funded by HUD will analyze data from buildings in which 100% of the ground floor units have been measured. This data will then be modeled to determine the number of units with elevated radon levels would have been missed if the testing had been conducted using a less than 100% testing standard.

It is anticipated that the study will result in an evidence-based statistically-sound testing protocol for multifamily housing that is sufficiently protective for the occupants without being overly burdensome to property owners.

Bethany Overfield, Geology, M.S., is a research geologist at the Kentucky Geological Survey. Her research focuses on using geologic maps to impact societal issues. Her current work focuses on the intersection of human health and geology. Specifically, using geologic data as a predictive tool for radon potential and also mapping environmental factors that might contribute to cancer risks.

Janise Palmer is a Physical Scientist in the Office of Air and Radiation, Center for Radon and Air Toxics at USEPA. She currently serves as EPA’s Radon Team Leader, is a committee member on several consensus-based radon standards committees and leads EPA’s radon building codes development efforts. Her technical experience encompasses indoor environmental quality and industrial hygiene services, preparing feasibility studies for ecological research and laboratory and field quality assurance audits.

Shawn Price is the Director of Laboratory Operations for the AccuStar Labs Division of Spruce Environmental Technologies, Inc., Past-President of the American Association of Radon Scientists and Technologists (AARST), a member of the National Radon Proficiency Program (NRPP) Policy Advisory Board, and past Chairman for the Coalition of International Radon Associations (COIRA).

Shawn has 29 years of radon industry experience including nearly a decade as an administrator for the US EPA Radon Proficiency Program and 20 years in laboratory management. Mr. Price’s areas of expertise include quality control, laboratory accreditation and operation, school and multifamily building testing, government affairs, and is the Chair of the ANSI standard workgroup on radon measurements in single family residences, schools, and multifamily buildings.

Representative Steven R. Riggs was elected in 1990 to the Kentucky House of Representative. He is a State Representative of the 31st Legislative District. Representative Riggs served as President of the National Conference of Insurance Legislators (NCOIL) for 2017. He served as Chairman of the House Local Government committee for many years. Most of Representative Riggs’ legislation is centered around public protection issues.

Representative Riggs has a Bachelor of Business Administration degree from the University of Kentucky. He is an insurance agent and consultant.

Heather Robertson works at the University of Kentucky as the Assistant Director of Operations for BREATHE and as the Assistant Director of Operations for Evidence Based Practice and Tobacco Treatment Services via UK HealthCare.
management for Eastern State Hospital. She oversees programs, budgets, contracts, and staffing. Heather has over 30 years of experience in program management, growth, and development; resource development and management; fiscal development and management; research; and evidence-based evaluations, surveillance and inspections. Heather holds a Masters of Public Administration and is a 1994 graduate of the post-Masters Federal Presidential Management Program. She has experience at the local, state, and federal level. Her work includes being an Expansion Specialist (Certificate of Need) for Appalachian Regional Healthcare, Inc. and providing private consultation as a Program Evaluator and Management Trainer. She has worked for the Department for Health and Human Services as a Centers for Medicare and Medicaid Specialist and Fraud and Abuse Specialist and in the DHHR Federal Inspector General’s office as an Inspection and Evaluation Specialist along with other roles. She has extensive knowledge regarding the health implications of radon and secondhand smoke. She has been with the University of Kentucky College of Nursing nearly 15 years.

Stacy Stanifer, MSN, APRN, AOCNS, is an Advanced Practice Registered Nurse, a certified Oncology Clinical Nurse Specialist, PhD student and a member of the BREATHE team, Bridging Research Efforts and Advocacy Toward Healthy Environments at the University of Kentucky College of Nursing. Stacy’s research interests lie in cancer prevention and current projects focus on tobacco use, radon testing and mitigation, and policy in Kentucky.

Kristian Wagner, MS, RD, LD, is the Health Policy Director for the Kentucky Cancer Consortium (CDC funded Comprehensive Cancer Control Grant) In this role Kristian coordinates the Policy, Systems and Environmental initiatives of the Kentucky Cancer Consortium. Specifically, Kristian oversees initiatives related to Smoke-free, Obesity and Environmental Carcinogens.

Kristian has previous experience as the Technical Assistance Coordinator for the Rural Smoke-free Project (NHLBI-funded study to test the effects of a community intervention on smoke-free policy outcomes in rural communities) as part of the Kentucky Center for Smoke-free Policy at the University of Kentucky, College of Nursing. Additionally, she has experience working with community members for health initiatives and policy change as the Health Education Coordinator at the Clark County Health Department.

Kristian received an undergraduate degree in Classical Studies in 1995, an undergraduate degree in Dietetics in 2000 and a Masters Degree in Nutrition in 2006 all from the University of Kentucky.
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