

## Curriculum Vitae

**Colleen M. Kaelin, M.S.P.H., R.S.**  
**Epidemiologist**  
**333 East 4<sup>th</sup> Street Apartment B9**  
**Frankfort, KY 40601**

**Cell Phone** (502) 395-0947  
**Email** [ColleenKaelin@aol.com](mailto:ColleenKaelin@aol.com)  
[Colleen.Kaelin9@gmail.com](mailto:Colleen.Kaelin9@gmail.com)

### Education

M.S.P.H. 1996	University of Kentucky Public Health	Lexington, Kentucky
B.S. 1987	Murray State University Medical Technology	Murray, Kentucky
1983	Doss High School	Louisville, Kentucky

**Kentucky Registered Sanitarian # 925**

issued August 19, 1998

## Professional Experience

December 15, 2021-current

Epidemiologist, North Central District Health Department

Supervisor: Bryant Lanier, Deputy Director

Conduct surveillance of all reportable disease conditions in Henry, Shelby, Spencer and Trimble Counties. Work with North Central Regional Epidemiologist and other partners at the local, state, and federal levels to complete required disease surveillance. When necessary, conduct analysis on assigned disease conditions to look for emerging patterns in disease incidence, transmission, or risk factors. Disseminates information on health conditions to healthcare providers, community leaders and the general public in order to increase preparedness and empower stakeholders to maintain optimal health outcomes.

June 24, 2020- January 31, 2021

COVID-19 Communicable Disease Investigator, Lexington-Fayette County Health Department

Supervisor: Hollie Sands, Epidemiologist (859) 489-1810

As part of the Contact Tracing Data Team, I entered and processed data from laboratory confirmed Covid-19 cases collected by contact tracing staff using Redcap and NEDSS (National Electronic Disease Surveillance System). This was a temporary position administered by contract with Cognosante, LLC.

July 15, 2019- August 30, 2019

Temporary Climate Epidemiologist, North Carolina Division of Public Health  
Supervisor: Lauren Thie, Program Manager, Climate and Health Program  
(919) 448-1763

The primary duties of this temporary position involved generating weekly syndromic surveillance reports of heat related illness. Emergency Department admission data for the reports was accessed through the statewide NC DETECT system. SAS and Tableau computer programs were used to analyze the data and develop graphics for these reports. I also completed the year end heat related illness report for May 1<sup>st</sup> through September 30<sup>th</sup>, 2018.

December 1, 2018-current

Volunteer Activities

I have been an active volunteer with the Sierra Club since 1995. Following my retirement from the Kentucky Department for Public Health, I was invited to join the Sierra Club's Climate Adaptation and Restoration Task Force. The Task Force was formed to recommend policies and actions that would increase adaptation and resilience to climate change and extreme weather events in local communities. The Task Force submitted their report to the Board of Directors in February 2019. This work is ongoing.

2004-2017 Epidemiologist II, Kentucky Department for Public Health, Division of Public Health Protection and Safety  
Supervisor: Jennifer Burt, Manager, Public Safety Branch (502) 545-8719

Primary duties included the design and implementation of all investigations relating to environmental epidemiology, including lead poisoning, cancer clusters and indoor air quality issues. Chaired the Environmental Public Health Tracking Workgroup which included partners from public health, environmental, and information technology agencies within state government, along with academic partners and non-governmental agencies. Kentucky successfully applied to join the national Environmental Public Health Tracking Network in August 2014. I also actively participated in the disaster epidemiology and climate, health and equity subcommittees of the Council for State and Territorial Epidemiologists. Retired from Kentucky Department for Public Health on 11/30/2017.

2000 – 2004 Health Program Administrator, Kentucky Department for Public Health, Division of Public Health Protection and Safety  
Supervisor: Dewey Crawford, Manager, Radiation & Toxic Agents Branch (retired)

Primary duties include serving as the Public Health Liaison for the Kentucky branch of the Chemical Stockpile Emergency Preparedness Program (CSEPP), a federally managed program that includes all U.S. states that contain a chemical weapons stockpile, such as the Blue Grass Army Depot in Madison County, Kentucky. CSEPP liaison duties were transferred to the newly formed Public Health Preparedness Branch in May of 2004.

4/00 – 5/00 NRFU Enumerator, United States Census Bureau.

Conducted follow up interviews at addresses where a completed 2000 Census form was not received by the U.S. Census Bureau. This position was part-time and temporary.

1997 – 2000 Epidemiologist, Kentucky Department for Public Health,  
Division of Public Health Protection and Safety  
Supervisor: David Klee, Division Director (retired)

Primary duties included the design and implementation of all investigations relating to environmental epidemiology, particularly lead poisoning, cancer clusters and indoor air quality issues.

1988 – 1997 Microbiologist Senior, Kentucky Department for Public Health,  
Division of Laboratory Services, Virology/ Fluorescent Antibody Section  
Supervisor: Diane Young, Section Supervisor (retired)

Primary duties included maintenance and identification of viral cultures from clinical specimens. Other duties included serologic testing by complement fixation and necropsy of animal specimens for rabies testing.

### **Memberships**

Kentucky Public Health Association

Council of State and Territorial Epidemiologists

### **Training Certificates**

ArcGIS Online	July 2016
Overview of Executive Branch Ethics	July 2016
Geographic Information Systems	November-December 2015
Tracking in Action: Workforce Implementation	October 2012
Environmental Public Health Tracking 101	January 2011
National Incident Management System (NIMS) An Introduction	May 2009
Introduction to the Incident Command System	May 2009
Advanced Statistical Analysis using SPSS	May 2008
Introduction to Statistical Analysis using SPSS	May 2008
Data Management & Manipulation with SPSS	January 2008

Introduction to SPSS	January 2008
Introduction to ArcGIS I	July 2007/ May 2008
Forensic Epidemiology	June 2006
Food and Water Collection, Packaging and Lab Testing Guidelines	March 2006
Toxic Chemical Training Course for Medical Support Personnel	April 2001
Environmental Management Branch Core Training	March 1999
Environmental Health Sciences	September 1998
Epi Rapid Response Team	March 1998
Food Safety and Cosmetics Branch Core Training	March 1998

### **Publications and Presentations**

#### Public Health Impacts of Climate Change

Cumberland Sierra Club Annual Gathering, Natural Bridge State Park, November 10<sup>th</sup>, 2018.

#### Building Surveillance Capacity with the Environmental Public Health Tracking Network.

Kentucky Public Health Association 2016 Annual Conference. Owensboro Convention Center April 13<sup>th</sup>, 2016.

The use of public health strike teams during the 2009 Kentucky ice storms. Authors: Smith CE, Riggs MA, Fowler K, Grabeel V, Kaelin C, Carey JT. Abstract. 2009 NATIONAL ENVIRONMENTAL PUBLIC HEALTH CONFERENCE.

Sample Size and Statistical Power. *Kentucky Epidemiologic Notes & Reports.* June/July 2009; 44 (2)

Environmental Public Health Practice in the Southeastern United States. Kentucky State Profile, pages 59-67. Submitted to the Division of Emergency and Environmental Health Services, National Center for Environmental Health, U.S. Centers for Disease Control and Prevention. August 2006.

Mercury Exposure – Kentucky, 2004. *MMWR.* Morbidity and Mortality Weekly Report 2005 Aug 19; 54(32):797-9.

Pathogens in Wastewater and Installer Protection. Kentucky Onsite Wastewater Association Conference. Executive Inn, Louisville, Kentucky. December 15-17, 1999.

Survey of Factors Affecting Indoor Air Quality in Kentucky Public Schools. *Kentucky Epidemiologic Notes & Reports.* November 1999; 34 (10): 2-3.

Auslander M., Kaelin C.: Rabies Post Exposure Prophylaxis Survey- Kentucky, 1994. *Emerg Infect Dis.* 1997 Apr-Jun; 3(2): 199-202.

### **Awards**

Commissioner's Group Award for Excellence for Teamwork Across Division Lines  
11/01/2005