

CURRICULUM VITAE SUMMARY

CAPT DOUGLAS ALLEN THOROUGHMAN PHS Serial No. 65256 May, 2023

Performance

Kentucky Deputy State Epidemiologist, 5/2013 – present (acting State Epidemiologist 4 of those years). Leading and coordinating epidemiology initiatives for KY, including COVID-19, largest hepatitis A outbreak nationally Oct. 2017 – Dec. 2021.

Assistant Director, KY Division of Epidemiology and Health Planning, Nov. 2013 – June 2017. Supervised Infectious Disease & HIV/AIDS Programs Operations lead for statewide reportable disease, and disease prevention & control activities in Kentucky.

Leading epidemiologic public health response, Alternating Operations Chief, Scientific Response Manager, Epidemiology Section Chief over multiple statewide responses (hurricane, tornadoes, Ebola, Zika, H1N1, Hepatitis A, COVID-19), August, 2002 - *present*.

Served and led international and national public health response teams, Liberia Ebola Response (Health Promotion Team Lead, 2014), Acute Lead Poisoning Response (Team Leader, Nigeria, 2010), Hurricane Katrina (Epi Team Lead, San Antonio, TX, 2005).

Commanded Applied Public Health Team #1, June, 2009 – June 2013, served on team six years, as Epi Section Chief two years.

Filled leadership role in formation and expansion of CDC's Career Epidemiology Field Officer Program, providing public health expertise to states and local health departments and increasing readiness for public health disasters across the country.

Served as Scientist CPO in difficult time of passing of RADM Joseph and beginning of Corps Transformation, providing ongoing support to individual officers, regularly disseminating vital information to category, answering numerous requests from OSG.

Project officer for three Viral Hepatitis Integration Projects for Indian Health Service (IHS), integrating prevention activities for viral hepatitis with existing STD, HIV/AIDS, drug abuse and corrections activities in Native American populations for first time.

Facilitated creation of three joint CDC/IHS positions increasing the ability of CDC and IHS to address emerging disease situations, chronic health conditions, and cooperation between public health agencies and institutions.

Notable Awards

Corps

Presidential Unit Citation – (2021, 2015)
Outstanding Service Medal (2007)
Commendation Medal (2012, 2006)
Thirteen Outstanding Unit Citations (1999-2021)
Thirteen Unit Commendations (2001-2020)
Six Service Awards (1998 - 2017)
SG Exemplary Service Medal (2019)

Non-Corps

Excellence in Emergency Response – CDC Toby Merlin Award (2020)
Excellence in Communications or Policy – Ebola Response (2015)
FDA Leveraging Collaboration Award (2013)
Russell E. Teague Award for Distinguished Svc in Comm. Health (2010)
HHS Secretary's Award for Distinguished Service (2006)
IHS Outstanding Performance Award (2002)

Education, Training and Professional Development

- PhD, Epidemiology, Emory University, 1996
- MS, Counseling Psychology, Central Washington University, 1987
- BA, Community Psychology, Central Washington University, 1984
- Completed week-long EIS Bioterrorism Training, Anniston, AL, 40 hours, 2002
- Have maintained >40 contact hours continuing education per year for majority of years in the Corps
- Peace Corps Technical Training in Primary and Preventive Health Care in the tropics, Liberia, West Africa, 206 hours, 1988
- Mentoring state and federal epidemiologists, Commissioned Corps Officers, public health students, teaching Epidemiology

Career Progression and Potential – Serving in O-6 Billet positions since 1999

Director Research Scientist Officer, Center for Preparedness and Response, CDC	Aug, 2002 to <i>present</i>
Career Epidemiology Field Officer assigned to the Kentucky Department for Public Health	<i>O-6 Billet</i>
Director Research Support Scientist Officer, National Center for Infectious Disease, Division of Viral Hepatitis, CDC, Assignee to Indian Health Service, National Epidemiology Program	July, 1999 to July, 2002
Adjunct faculty member, University of New Mexico School of Medicine,	<i>O-6 Billet</i>
Master of Public Health (MPH) Program	March, 1998 – July, 2002
Research Scientist Officer, IHS Epi Program and National Center for Chronic Disease Prevention & Health Promotion, CDC, Assignee to University of New Mexico Disease Prev. Research Ctr.	<i>Non-PHS, gratis position</i>
Research Scientist Officer, Epidemic Intelligence Service, CDC,	July, 1998 to June, 1999
Assignee to Indian Health Service, Headquarters Epidemiology Program	<i>O-5 Billet</i>
	July, 1996 to June, 1998
	<i>O-3 Billet</i>

Mobility: Geographic: Worked across the nation in three CDC/IHS assignments based in NM: 1996-2002; Kentucky: 2002 - *present*.
Programmatic: Experienced in infectious and chronic disease prevention and control, surveillance, immunization, large and small data set analysis, survey methods, grant writing and review, teaching and training, federal, state, and local public health perspectives, have experience with: CDC, IHS, OSG, HHS, state & local health departments, and universities.

Officership

- Leveraging a federal assignment to a state health department to lead integration of federal preparedness and disease control initiatives in a state health department and nationally through professional affiliations, organizations, and workgroups
- Served on USPHS Retirement Extension Board August-September, 2017
- Deployed on CDC's Health Promotion/Social Mobilization Team for Ebola Response, Liberia, August 11 – September 9, 2014
- APHT 1 Team Leader – June 1, 2009 – June 1, 2013
- CDC Team Lead for Acute Lead Poisoning Follow-up Investigation, Zamfara State, Nigeria, November 2010
- Member, CDC Pandemic Influenza A (H1N1) Hospitalizations Investigation Team – 2009 - 2011
- Leading Disaster Data Collection Tools Workgroup – January, 2008 – 2011
- Transformation Activities: Discipline and Retention WIPT; Isolated Hardship, Hard-to-Fill, Hazardous Duty WPDG; Numerous active contributions to policy reviews via CPO Board, CCPAC, SciPAC, 2003 - 2012
- Chief Scientist Officer (Acting), 2/2004 – 3/2005
- SciPAC Chair, 09/2003 – 02/2004
- SciPAC Vice Chair, 09/2002 – 08/2003
- SciPAC Board Member, 2001-2005, active participation in SciPAC, 1999 – *present*
- SciPAC Science Subcommittee Co-Chair 2006 – 2007
- SciPAC CCRF Subcommittee Chair, 2003 – 2004
- SciPAC Mentor, 2006-*present*, (informally since 2001)
- BOTC Sept. 1999, Nov. 2006, IOTC Jan, 2007 CC Training Ribbon (CCTR) issued Feb. 15, 2007
- Member of COA (local & national) since entering Corps, 1996 – *present*
- Co-Chair, Kentucky Cabinet for Health and Family Services IRB, 2005 – 2018, 2021
- Chair, Kentucky Cabinet for Health and Family Services IRB, 2018 – 2021
- Vice Chair, Kentucky Cabinet for Health Services IRB, 2003 – 2005
- Member, Kentucky Public Health Association, Epidemiology Section, 2004 – *present*
- Member, Kentucky Hospital Association Emergency Preparedness Subcommittee, 2003 – 2005
- Member Kentucky Health and Medical Preparedness Advisory Committee, 2002 – *present*
- Associate Member, Council of State and Territorial Epidemiologists (CSTE), 2001 – *present*
- Commissioned Corps Associate Recruiter, 2007 - 2009: have performed recruitment efforts throughout career
- Wear uniform daily with pride and distinction in all settings and always introduce the Corps in presentations and public settings

Response Readiness

- Consistently meet OFRD Basic Readiness qualifications
- Led APHT-1 in OFRD Response Trainings, Fort AP Hill, VA, August, 2009, San Saba County, TX, August, 2010
- APHT-1 Team Commander, June, 2009 – 2013
- APHT-1, Epidemiologist Section Lead, 2007 – 2009; Member Tier 2 public health response team, 2006-2013
- Completed USPHS Hurricane Response Training, Camp Bullis, TX, July, 2007
- Attained Fitness Level III, Commissioned Corps Annual Physical Fitness Test, 2006, 2007, 2008, 2011, 2012, Excellent Level 2016 – 2021 (new APFT rating system)
- CCRF deployment-rostered 1999 - 2006
- Extensive Bioterrorism Preparedness and Response Training
- Trained in Incident Command Structure. (IS 100, 200, 300, 400, 700, 800, 1900)
- Respirator fit-tested for N-95 respirator, 2004 – 2012, 2014 – 2021

Deployment History

- COVID-19 – Deployed in place, KY DPH, January, 2020 – December 2022 – COVID-19 Operations and Scientific Lead
- Liberia, W. Africa, August-September 2014, Ebola response – Health Promotion Team Member
- Zamfara State, Nigeria, W. Africa, October-November 2010, Acute lead poisoning response – Team Leader
- San Antonio, TX, September 2005, Hurricane Katrina Response – Epidemiology Team Lead
- Extensive response experience with Kentucky DPH: COVID-19 Science Response Manager (01/20 – *present*); Lung Injury/Vaping Response (08/19 – 01/20); Statewide Hepatitis A Outbreak (10/17 – 12/20); Ebola Preparedness and Response in KY (7/14 – 10/15); National Fungal Meningitis outbreak response (10/12 – 3/13); Extended multi-event response in KY (8/12 – 11/12); Tornadoes (2/12 – 3/12); H1N1 influenza response and vaccination campaign (4/09 – 12/09); 2009 Winter Storm in KY (2/09); Hurricane Ike impact in KY (9/08); Hurricane Gustav KY 1500-bed shelter (8/08 – 9/08)

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PHS Serial No. 65256

May, 2023

CURRENT GRADE AND ASSIMILATION STATUS: Temp. O-6, Perm. O-6, Regular Corps – Assim. 05/2004

EDUCATION

- June, 1996 **Ph.D., Epidemiology**
Rollins School of Public Health, Emory University, Atlanta, Georgia
Dissertation: "Analysis of Factors Leading Toward Behavior Change in a Spinal and Head Injury Prevention Program"
- June, 1987 **MS, Counseling Psychology**
Central Washington University, Ellensburg, Washington
Thesis: "Approaches to Blocking"
- June, 1984 **BA, Community Psychology**
Central Washington University, Ellensburg, Washington
- 9/80-6/81 Wenatchee Valley Community College, Wenatchee, Washington - 49 (quarter) credit hours

POST-GRADUATE TRAINING

- 1/88-3/88 United States Peace Corps Technical Training, Liberia, West Africa - 206 hours of certified professional technical training in primary and preventive health care in the tropics

READINESS

- Team Commander, HHS Applied Public Health Team #1, 2009 - 2013
- Epidemiology Team Lead, HHS Applied Public Health Team #1, 2007 – 2009
- USPHS/OFRD Response Team Training Exercises: Team Leader - San Saba County, TX, August, 2010, Fort AP Hill, VA, August, 2009; Epi Section Chief - Camp Bullis, TX, July, 2007
- Attained Fitness Level III/Excellent, Commissioned Corps Annual Physical Fitness Test, multiple years
- OFRD Basic Readiness qualified 2004 - *present*
- CCRF deployment roster 1999 – 2006 (*then rostered on APHT-1, 2006-2013*)
- Extensive Bioterrorism Preparedness and Response Training including IS 100, 200, 300, 400, 700, 800, 1900
- Trained in Hospital Emergency Incident Command Structure (HEICS)
- Respirator fit-tested for N-95 respirator, 2004 – 2021
- Deployed twice internationally: Liberia (2014 – Ebola) and Nigeria (2010 – Acute Lead Poisoning Response)
- Deployed on Katrina Response, September 2005, San Antonio, TX – CRSA awarded January, 2006
- Extensive experience at state and local level on preparedness efforts and response structures including serving as Operations Chief and Epidemiology Section Chief in multiple responses at KY DPH as well as actual deployments for CDC, and training deployments for OFRD
- Modified ICS structure in KY during response to 10 simultaneous PH events in 2012 making command structure, situational awareness, and mixed operations across events manageable
- Completed week-long Epidemic Intelligence Service Bioterrorism Training, Anniston, AL, July/Aug, 2002
- Participant in multiple preparedness exercises – Table-Top, Functional, and Full since 2001

CURRENT PHS ASSIGNMENT

8/02 – present **Career Epidemiology Field Officer (Director Research Scientist Officer), 0-6 Billet, Centers for Disease Control and Prevention, Office of Public Health Preparedness and Response, Division of State and Local Readiness, CEFO Program; assigned to KY Dept. for Public Health, Div. of Epidemiology and Health Planning, Frankfort, KY.**

Duties:

- Served as Kentucky's acting State Epidemiologist (5/2016-3/2017 & 5/2018 – 5/2021), Deputy State Epidemiologist alternatively (11/2013 – present) and Assistant Director of the Kentucky Department for Public Health (KDPH) Division of Epidemiology and Health Planning (11/2013 – 6/2017)
- Lead infectious disease surveillance, response, and prevention activities in KY, including oversight of most outbreak investigations, monitoring surveillance programs, maintaining Division organization, and serving as liaison with Commissioner's Office for response activities
- Championing development of informatics capacity and growth at the Kentucky Department for Public Health.
- Help local health departments across the state create and operationalize preparedness programs by identifying and organizing community resources using a community preparedness model
- Improve the epidemiologic response and surveillance capability of Kentucky's Department for Public Health
- Represent the federal government (HHS, Comm. Corps, CDC) with honor and dignity at the state and local level

Accomplishments:

- Executed oversight of numerous outbreak responses in Kentucky, including most recently COVID-19, lung injury and vaping response (developed a nuevo surveillance system for state tobacco program), statewide hepatitis A outbreak among drug users (>4,980 cases), identification and investigation of HIV in injection drug users, a large-scale tularemia exposure in a beagle hunt club, and a vaccination reaction investigation of >100 cases, among many others
- Co-leading Division of ≈150 staff and multi-million dollar budget responsible for reportable disease surveillance, HIV/AIDS prevention and control, vital statistics, & statewide immunizations efforts
- Filled crucial response roles (Science Response Mgr., Incident Commander, Operations Chief, Epi Section Chief) in KY responses 2008-2021 for KDPH, increasing capacity and providing expert guidance to local and state responses
- Modified ICS structure in KY in 2012 during response to 10 simultaneous PH events, making command structure, situational awareness, and mixed operations manageable across events – modified ICS adopted for future responses
- Conceptualized, formed and led Disaster Data Collection Tools Workgroup (DDCTW), a Corps effort to reach consensus about data collection tools to use in disaster settings across all federal response teams for specific functions
- Initiated "Building Epi Capacity in Kentucky" bringing together epidemiologists and public health experts from across Kentucky annually since 2005 to brainstorm ideas to raise capacity – multiple efforts underway as a result
- Revitalized KY's "Epi Rapid Response Team" Program, training local teams and individuals to respond to public health emergencies – personally trained >400 responders from 2006 – 2016, conduct yearly 'refresher' exercise
- Facilitated several national-level epidemiologic preparedness trainings in KY in 2007 – 2009 (foodborne outbreak investigation, Avian Influenza Rapid Response Training, CASPER/Disaster Surveillance Training, Forensic Epidemiology Training) reaching over 450 trainees, increasing local response capacity and infrastructure directly
- Led smallpox preparedness effort in KY resulting in 16th highest per capita rate of pre-event vaccination in U.S.
- Revamped KY epidemiologist job classifications to raise epidemiologic capacity through recruitment and retention
- Provided epidemiologic expertise on numerous outbreak investigations in KY and multiple national investigations
- Helped shape the Career Epidemiology Field Officer program at CDC mentoring incoming officers and program staff
- Developed reputation for engendering cooperation and cohesion between local, state, and federal agencies
- Participated actively in Corps Transformation workgroups, and numerous Commissioned Corps and CDC activities
- KY Cabinet for Health and Family Services Institutional Review Board (IRB) Co-Chair, 2005-2018, 2021; Chair, 2018 – 2021

PHS PROFESSIONAL EXPERIENCE

7/99 – 7/02 **IHS National Hepatitis Coordinator (Director Research Support Scientist Officer), 0-6 Billet, Centers for Disease Control and Prevention (CDC), National Center for Infection Diseases, Division of Viral Hepatitis; assigned to Indian Health Service, National Epi. Program, Albuquerque, NM.**

Duties:

- Organize & coordinate hepatitis prevention/control/research activities for American Indian/Alaska Native (AI/AN) populations nationally
- Adapt, coordinate, and provide leadership for CDC hepatitis activities in Indian Health Service (IHS) settings
- Evaluate and improve surveillance for hepatitis A - C diseases
- Evaluate hepatitis A vaccination program and document end of hepatitis A as endemic disease in AI/ANs

Accomplishments:

- Conducted statewide and reservation-wide hepatitis A vaccination surveys showing steep decline in hepatitis A disease in AI/ANs most likely a result of successful implementation of hepatitis A vaccination programs
- Established and chaired Hepatitis C Workgroup for Indian Health Service, providing national level policy recommendations to IHS to address screening, laboratory, treatment and budget issues for hepatitis C
- Assessed hepatitis A vaccination program in IHS facilities nationally allowing effective targeting of education
- Conducted surveillance evaluation of hepatitis B and C, illuminating gaps in reporting, screening, and surveillance
- Assisted CDC personnel in several disease intervention projects within American Indian/Alaska Native populations

7/98 - 6/99 **IHS/CDC Epidemiology Field Assignee (Research Scientist Officer), 0-5 Billet, Indian Health Service National Epidemiology Program/Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion; assigned to Center for Health Promotion and Disease Prevention, University of New Mexico Health Sciences Center, School of Medicine, Albuquerque, New Mexico.**

Duties:

- Provide epidemiologic expertise to health promotion/disease prevention projects conducted by Center
- Teach basic epidemiology and public health concepts to tribal health workers and public health professionals
- Initiate new health promotion/disease prevention projects for the center
- Serve as project officer and co-investigator on several grant-funded projects

Accomplishments:

- Assisted in writing proposal for the National Diabetes Prevention Center (NDPC), funded at \$2.3 million, playing an integral role in creation of NDPC and in establishing partnerships between tribes, IHS, CDC, and University
- Created a unique, collaborative relationship between IHS, CDC, and University of New Mexico which exists today
- Coordinated grant-writing, contracts, reporting, and services for teen substance abuse prevention programs for Pueblo youth allowing counseling and medical functions to continue despite rising standards for funding awards
- Assisted tribal health programs to build research capacity by teaching research and computer skills at local level
- Analyzed data for various epidemiologic studies; wrote three research papers

7/96 - 6/98 **Epidemic Intelligence Service Officer (Research Scientist Officer), 0-3 Billet, Centers for Disease Control and Prevention, Epidemiology Program Office, State Branch; assigned to Indian Health Service Headquarters, Epidemiology Program, Albuquerque, New Mexico.**

Duties:

- Outbreak investigation including design, management and execution of epidemiologic research projects
- Epidemiologic analyses of large and small data sets
- Teach epidemiology/statistics concepts to local public health professionals and public health students
- Numerous TDYs as principal investigator on outbreaks and research projects, reporting - 40% to 50% of time

Accomplishments:

- Directed and coordinated hepatitis A vaccination campaign and associated hepatitis A seroprevalence survey of children leading to cessation of severe hepatitis A outbreak and reduction in illness and possibly deaths
- Lead investigator for multiple outbreak investigations, increasing knowledge of disease processes and risk factors and reducing illnesses through prevention efforts
- Described race misclassification of American Indians in STD surveillance data – 1st time for ID in AI/AN populations
- Conducted reservation-wide vaccine coverage survey; identified and recommended vital areas for improvement
- Facilitated working relationships between sovereign Indian nations and U.S. government and various federal and state public health agencies, promoting self-determination of tribes and capacity of tribal health programs
- Provided epidemiologic expertise and consultation for other projects to IHS personnel

NON-PHS PROFESSIONAL EXPERIENCE

Adjunct Faculty Member, University of Kentucky, College of Public Health (11/07 - present),
Volunteer Faculty Member, University of New Mexico School of Medicine (7/01 – 7/02)

Duties:

- Assist in teaching public health courses in the MPH Program
- Provide epidemiologic support for professors
- Serve as preceptor and thesis advisor for MPH students
- Coordinate student practicum assignments at KY DPH

Accomplishments:

- Team taught two courses (see *Teaching Experience* below) and taught sessions for three additional courses
- Provided epidemiology consultation on several university-related projects
- Invited as guest lecturer several times for MPH seminar series
- Mentored several student thesis projects allowing completion of student's degrees
- Served as statistical and epidemiologic consultant to medical student journal review club
- Raised the image of the USPHS and encouraged local collaboration between federal and non-federal agencies

6/95 - 6/96 Epidemiology Fellow, Association of Teachers of Preventive Medicine, Developmental Disabilities Branch, National Center for Environmental Health, Centers for Disease Control and Prevention, Atlanta, Georgia.

Duties:

- Formulate research hypotheses
- Design and implement research projects using existing data
- Perform large data set analysis

Accomplishments:

- Analyzed developmental disabilities (DDs) surveillance data exposing preventable postnatal causes for DDs
- Published first U.S. report on postnatal etiologies for DDs
- Facilitated creation of state-wide data set for children at risk for DDs-analysis made prevention efforts possible
- Initiated links between federal and two state-wide surveillance data sets allowing wider understanding of DDs, infectious disease etiologies, risk factor analysis and effective prevention efforts
- Learned mainframe and PC SAS, crucial to my career in public health

1/94 - 6/95 **Project Coordinator, Prevention and Responsible Choices Program Evaluation, Roosevelt Warm Springs Institute of Rehabilitation/Rollins School of Public Health, Departments of Epidemiology and Behavioral Sciences and Health Education, Emory University, Warm Springs/Atlanta, Georgia.**

Duties:

- Designed and managed program evaluation of head and spinal injury prevention program including: study design questionnaire design and field testing, interviewing subjects, data collection and management, mail-out follow-up surveying
- Complex statistical data analysis

Accomplishments:

- Successfully completed pilot study and full program evaluation, which made possible continuation of the program evaluated, promoted its goals, and finalized my doctoral degree

1/88 - 3/90 **Logistics Training Coordinator, United States Peace Corps Volunteer, Combating Childhood Communicable Diseases Project, Nyeng Village, Montserrado County, Liberia, West Africa.**

Duties:

- Built up and maintained county-wide vaccination network
- Project planning/implementation of nation-wide vaccination with Expanded Programme on Immunization (EPI)
- Generated and assisted in local development projects

Accomplishments:

- Set up district-wide vaccination network (worker training, cold chain, supply network, funding, village education), helping local program to become self-sufficient, ensuring effective vaccination and saving lives
- Helped save lives of children with chloroquine-resistant malaria and diarrheal diseases such as measles
- Independently acquired funding to build school in rural village and oversaw beginning construction, allowing a village to achieve its dream of having a local school
- Helped provide scholarships for Liberian students assisting many to obtain an education
- Editor of Liberia's Peace Corps newsletter, bringing news and good cheer to volunteers across Liberia

11/86 - 5/87 **Mental Health Professional, Chelan/Douglas County Community Mental Health Center, Wenatchee, Washington.**

Duties:

- Individual counseling of chronically-mentally ill individuals
- Led two weekly group therapy sessions for marginally functional clients

Accomplishments:

- Caseload of >30 clients, kept many clients out of hospitals during my tenure
- Facilitated several client's enrollment in work experience programs allowing them opportunities for success
- Dealt effectively with difficult clients avoiding and defusing dangerous situations

PUBLICATIONS

Peer-Reviewed/Professional Journal Articles

Spicer KB, Glick C, **Thoroughman DA**. Adolescent COVID-19 Cases During the SARS-CoV-2 Delta and Omicron Variant Surges in Kentucky: Association with Vaccination and Prior Infection. *J Adolesc Health* (2023).

<https://doi.org/10.1016/j.jadohealth.2023.04.032>.

Alyson M. Cavanaugh, Likhita Raparti, Mishaal Bhurgri, Amy Herrington, Claire Holladay, Vaneet Arora, Kevin B. Spicer, **Douglas A. Thoroughman**, Kathleen Winter. Characteristics of Decedents With COVID-19–Related Mortality in Kentucky, July 1–August 13, 2021. *Public Health Reports* (2023). <https://doi.org/10.1177/00333549231155867>.

Groenewold MR, Flinchum A, Pillai A, Konkle S, Meissner HM, Tosh PK, **Thoroughman DA**. Investigation of a Cluster of Rapidly Growing Mycobacteria Infections Associated with Joint Replacement Surgery in a Kentucky Hospital, 2013–2014 with 8-year Follow-up. *American Journal of Infection Control* (2022). <https://doi.org/10.1016/j.ajic.2022.06.013>.

Spicer KB, Glick C, Cavanaugh AM, **Thoroughman D**. Association of Severe Acute Respiratory Syndrome Coronavirus 2 Vaccination or a Prior Positive Test Result in Adolescents during the Delta Variant Surge in Kentucky. *The Journal of Pediatrics* (2022). <https://doi.org/10.1016/j.jpeds.2022.05.034>.

Hofmeister MG, Asher A, Jones CM, Augustine RJ, Burkholder C, Collins J, Foster MA, McBee S, Thommasson ED, **Thoroughman D**, Weng MK, Spradling PR. Prevalence and Types of Drugs Used Among Hepatitis A Patients During Outbreaks Associated with Person-to-Person Transmission, Kentucky, Michigan, and West Virginia, 2016–2019. *Journal of Appalachian Health*. 2022;4(1):51-60. <https://doi.org/10.13023/jah.0401.06>.

Spicer KB, Glick C, Cavanaugh AM, **Thoroughman D**. Protective Immunity after Natural Infection with Severe Acute Respiratory Syndrome Coronavirus-2 (SARS-CoV-2) – Kentucky, USA, 2020. *International Journal of Infectious Disease*. 2022;114:21-28. <https://doi.org/10.1016/j.ijid.2021.10.010>.

Eldridge CC, Flinchum AH, **Thoroughman D**, Spicer KB. A Pseudo-outbreak of Burkholderia cepacia Complex in a Kentucky Hospital. *American Journal of Infection Control*. Nov. 3, 2021;50(3):342-344. <https://doi.org/10.1016/j.ajic.2021.10.028>.

Blau EF, Flinchum A, Gaub KL, Hartnett KP, Curran M, Allen VK, Napier A, Hesse EM, Hause AM, Cathey R, Feaster C, Mohr M, de Fijter S, Mitchell S, Moulton-Meissner HA, Benowitz I, Spicer KB, **Thoroughman DA**. *Mycobacterium porcinum* Skin and Soft Tissue Infections After Vaccinations — Indiana, Kentucky, and Ohio, September 2018–February 2019. *MMWR Morb Mortal Wkly Rep*. 2021 Oct 22;70(42):1472-1477. DOI: <http://dx.doi.org/10.15585/mmwr.mm7042a3>.

Hofmeister, MG, Weng MK, **Thoroughman D**, Thommasson ED, McBee S, Foster, MA, Collins J, Burkholder C, Augustine RJ, Spradling PR. Prevalence of indications for adult hepatitis A vaccination among hepatitis A outbreak-associated cases, Three US States, 2016–2019. *Vaccine*. 2021;39(44):6460-6463. <https://doi.org/10.1016/j.vaccine.2021.09.051>.

Bui DP, Kukielka EA, Blau EF, Thompkins LK, Bing KL, Edge C, Hardin R, Miller D, House J, Boehmer T, Winkquist A, Orr M, Funk Renee, **Thoroughman DA**. The Occupational Health Effects of Responding to a Natural Gas Pipeline Explosion Among Emergency First Responders – Lincoln County, Kentucky, 2019. *Disaster Medicine and Public Health Preparedness*. Sept 2021; <https://doi.org/10.1017/dmp.2021.266>.

Alyson M. Cavanaugh, Kevin B. Spicer, **Douglas Thoroughman**, Connor Glick, Kathleen Winter. Reduced Risk of Reinfection with SARS-CoV-2 After COVID-19 Vaccination — Kentucky, May–June 2021. *MMWR Morb Mortal Wkly Rep*. 2021 Aug 13;70(32):1081-1083. <http://dx.doi.org/10.15585/mmwr.mm7032e1>.

Furukawa NW, Blau EF, Reau Z, . . . **Thoroughman D**, Vogel S, Lyss SB. Missed Opportunities for Human Immunodeficiency Virus (HIV) Testing During Injection Drug Use-Related Healthcare Encounters Among a Cohort of Persons Who Inject Drugs With HIV Diagnosed During an Outbreak-Cincinnati/Northern Kentucky, 2017-2018. Clin Infect Dis. 2021;72(11):1961-7. PMID: 32748940 PMCID: PMC7609535 DOI: <http://dx.doi.org/10.1093/cid/ciaa507>.

Alyson M. Cavanaugh, Sarah Fortier, Patricia Lewis, Vaneet Arora, Matt Johnson, Karim George, Joshua Tobias, Stephanie Lunn, Taylor Miller, **Douglas Thoroughman**, Kevin B. Spicer. COVID-19 Outbreak Associated with a SARS-CoV-2 R.1 Lineage Variant in a Skilled Nursing Facility After Vaccination Program — Kentucky, March 2021. MMWR Morb Mortal Wkly Rep. 2021 Apr 30; 70(17):639-643. <http://dx.doi.org/10.15585/mmwr.mm7017e2>.

Alyson M. Cavanaugh, **Douglas Thoroughman**, Holly Miranda, Kevin Spicer. Suspected Recurrent SARS-CoV-2 Infections Among Residents of a Skilled Nursing Facility During a Second COVID-19 Outbreak — Kentucky, July–November 2020, MMWR Morb Mortal Wkly Rep. 2021 Feb 26; 70(8); 273-277. <http://dx.doi.org/10.15585/mmwr.mm7008a3>.

Megan G. Hofmeister, Jian Xing, Monique A. Foster, Ryan J. Augustine, Cole Burkholder, Jim Collins, Shannon McBee, Erica D. Thomasson, **Douglas Thoroughman**, Mark K. Weng, and Philip R. Spradling. Factors associated with hepatitis A mortality during person-to-person outbreaks: A matched case-control study—United States, 2016–2019. Hepatology. 2020; November: <https://doi.org/10.1002/hep.31645>.

Megan G. Hofmeister, Jian Xing, Monique A. Foster, Ryan J. Augustine, Cole Burkholder, Jim Collins, Shannon McBee, Erica D. Thomasson, **Douglas Thoroughman**, Mark K. Weng, and Philip R. Spradling. Hepatitis A Person-to-Person Outbreaks: Epidemiology, Morbidity Burden, and Factors Associated With Hospitalization—Multiple States, 2016–2019. The Journal of Infectious Diseases 2020; October: jiaa636, <https://doi.org/10.1093/infdis/jiaa636>: 1-9.

Varela, K, Scott, B, Prather, J, . . . **Thoroughman, D**. Primary Indicators to Systematically Monitor COVID-19 Mitigation and Response — Kentucky, May 19–July 15, 2020. MMWR Morb Mortal Wkly Rep 2020;69(34):1173–1176. <http://dx.doi.org/10.15585/mmwr.mm6934e3>.

Kristen Heitzinger, **Douglas A. Thoroughman**, Blake D. Johnson, Andrew Chandler, John W. Prather, Heather M. Walls, Sara D. Robeson, Kimberly A. Porter. The 2017 Solar Eclipse: Implementing Enhanced Syndromic Surveillance on the Path of Totality in Kentucky. Disaster Medicine and Public Health Preparedness 2020: April: DOI: <https://doi.org/10.1017/dmp.2020.4>; 1-4.

Monique Foster, Sumathi Ramachandran, Katie Myatt, Danielle Donovan, Susan Bohm, Jay Fiedler, Bree Barbeau, Jim Collins, **Douglas Thoroughman**, Eric McDonald, Jonathan Ballard, Jeffrey Eason, Cynthia Jorgensen. Hepatitis A Virus Outbreaks Associated with Drug Use and Homelessness — California, Kentucky, Michigan, and Utah, 2017. MMWR Morb Mortal Wkly Rep 2018;67:1208–1210. DOI: <http://dx.doi.org/10.15585/mmwr.mm6743a3>.

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Institutional Reports & Other Professional Publications

Thoroughman, D., Cavanaugh, A., Bell, B., Blau, E. Kentucky COVID-19 Key Points. Produced and distributed 30-slide situation update document through duration of COVID-19 response to public health community and response partners. Division of Epidemiology and Health Planning, Department for Public Health, Cabinet for Health and Family Services, Commonwealth of Kentucky. Feb. 26, 2020 – April 23, 2021 (6 days/week), April 24, 2021 – present (1-3 days/week).

Thoroughman, D., Freiburt, S. Kentucky Fluview H1N1 Surveillance Report. Served as Chief Editor for emergency response newsletter to give up-to-date statistics and prevention information to public health and healthcare providers for duration of outbreak. Division of Epidemiology and Health Planning, Department for Public Health, Cabinet for Health and Family Services, Commonwealth of Kentucky. 12 issues: October 2009 – June 2010.

Thoroughman, D. Building Epidemiologic Capacity in Kentucky: Efforts underway to increase state's public health epidemiologic capacity. *Kentucky Epidemiologic Notes & Reports.* Division of Epidemiology and Health Planning, Department for Public Health, Cabinet for Health and Family Services, Commonwealth of Kentucky. 2007 June/July;42(5);1-3.

Beavers, S, **Thoroughman, D.** Acinetobacter Infections among Hospitalized Patients in Kentucky – 2006. Kentucky Epidemiologic Notes & Reports. Division of Epidemiology and Health Planning, Department for Public Health, Cabinet for Health and Family Services, Commonwealth of Kentucky. 2007 March;42(2);1-3.

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Thoroughman, DA, Cheek, JE, McMahon, B, Margolis, H, Bellymule, G, Kittredge, J, et al. IHS Report: Report and Recommendations to the Indian Health Service on Hepatitis C: Findings and Recommendations of the IHS Hepatitis C Workgroup. March, 2002.

Thoroughman, DA. IHS Report: Knowledge, Attitudes and Practices of Indian Health Service Hepatitis A Vaccination Providers, Winter, 1999-2000. September, 2001.

Thoroughman, DA, Bialek, SR, Bell, BP. IHS/CDC Report: Hepatitis A Vaccination Coverage Among 3 - 6 Year-old Children Living on the Navajo Reservation, Summer, 2000. August, 2001.

TEACHING EXPERIENCE

- 5/23 The Basics of Public Health and Outbreak Investigation for Healthcare Providers. Provided 2-hour lecture on public health to 1st year medical students. University of Kentucky for \cong 200 students. Lexington, KY.
- 3/23 Acinetobacter Outbreak Investigation Exercise. Facilitated 2.75-hour tabletop outbreak investigation exercise for graduate MPH students, Eastern Kentucky University, 4 students. Richmond, KY.
- 2/22 The Basics of Field Epidemiology and Outbreak Investigation. Provided a 2.75-hour lecture for MPH students at Eastern Kentucky University Applied Epidemiology Course. In Person, 4 students.
- 11/22 Acinetobacter Outbreak Investigation Exercise. Facilitated 3-hour tabletop outbreak investigation exercise for graduate (DNP), RN, and LPN University of Louisville nursing students for \cong 20 students. Louisville, KY.
- 5/22 Gastroenteritis in a Kentucky Healthcare Facility. Provided a 1-hour outbreak investigation exercise for preventive/occupational medicine residents. University of Kentucky. Virtual, 6 students.
- 5/22 The Basics of Public Health and Outbreak Investigation for Healthcare Providers. Provided 2-hour lecture on public health to preventive/occupational medicine residents. University of Kentucky. Virtual, 6 students.
- 4/22 Gastrointestinal Illness in a Kentucky State Park. Provided a 2.25-hour final outbreak investigation exercise for MPH students at Eastern Kentucky University Applied Epidemiology Course. Virtual, 7 students.
- 4/22 The Basics of Public Health and Outbreak Investigation for Healthcare Providers. Provided 2-hour lecture on public health to 1st year medical students. University of Kentucky for \cong 150 students. Lexington, KY.
- 3/22 Public Health Response in Action – Ebola 2014 and COVID-19. Presentation to University of Kentucky College of Nursing Public Health Preparedness Class for \cong 35 students. Lexington, KY
- 2/22 The Basics of Field Epidemiology and Outbreak Investigation. Provided a 2.25-hour lecture for MPH students at Eastern Kentucky University Applied Epidemiology Course. Virtual, 8 students.
- 11/21 Kentucky Public Health Assistance and Support Team (K-PHAST) Training, University of Louisville. Taught 3-hour session on the Basics of Field Epidemiology and Outbreak Investigation. Virtual. \cong 45 students.
- 11/21 Kentucky Public Health Assistance and Support Team (K-PHAST) Training, University of Kentucky. Taught session on Basics of Epidemiology and 10 Steps of Outbreak Investigation. Virtual \cong 16 students.
- 6/21 Kentucky Department for Public Epidemiology On-Call Training. Conducted training for new Epi On-Call staff members for 2 trainees. Frankfort, KY.
- 4/21 The Basics of Public Health and Outbreak Investigation for Healthcare Providers. Provided 2-hour lecture on public health to 1st year medical students. University of Kentucky. Virtual, \cong 200 students.
- 3/21 Kentucky Public Health Assistance and Support Team (K-PHAST) Training, Eastern Kentucky University. Taught session on the Basics of Field Epidemiology and Outbreak Investigation, Virtual. \cong 12 students, 1 faculty member.

- 10/20 Kentucky Public Health Assistance and Support Team (K-PHAST) Training, University of Louisville. Taught session on the Basics of Field Epidemiology and Outbreak Investigation, Virtual. \cong 30 students, 1 faculty member.
- 11/19 Research Design and Level of Evidence. Gave 1-hour lecture on public health research design to \sim 9 Medical Residents. Medical Residents Seminar. St. Elizabeth's Hospital. Edgewood, KY.
- 11/19 Careers in Public Health, CDC, State and Local Health Departments, and the USPHS Commissioned Corps. Invited lecture at Eastern Kentucky University public health class for \sim 15 MPH students. Richmond, KY.
- 11/19 Gastroenteritis in a Kentucky Healthcare Facility. Provided a 3-hour outbreak investigation exercise for Family Practice Nursing students at University of Louisville, \cong 40 in attendance. Louisville, KY.
- 11/19 Kentucky Public Health Assistance and Support Team (K-PHAST) Training, Western Kentucky University. Taught session on 10 Steps of Outbreak Investigation, \cong 12 students, 3 faculty members. Bowling Green, KY
- 10/19 Kentucky Public Health Assistance and Support Team (K-PHAST) Training, University of Kentucky and Eastern Kentucky University. Taught session on 10 Steps of Outbreak Investigation, \cong 16 students, 1 faculty member. Lexington, KY.
- 10/19 Kentucky Public Health Assistance and Support Team (K-PHAST) Training, University of Louisville, School of Public Health and Information Sciences. Taught session on Basics of Epidemiology and the 10 Steps of Outbreak Investigation, \cong 26 students, 2 graduate assistants. Louisville, KY.
- 10/19 Vaping/Lung Injury Clinician Webinar. Presenter and moderator, 1-hour webinar broadcast to health care providers across Kentucky to inform and guide on identification and reporting of lung injury cases associated with e-cigarette use (vaping). > 100 attendees. Frankfort, KY.
- 8/19 Kentucky's Hepatitis A (HAV) Outbreak. Public Health Nurse ITV. Frankfort, KY.
- 8/19 Hospital Emergency Department Update for Kentucky's Hepatitis A (HAV) Outbreak. Presenter and moderator, 1-hour webinar broadcast to health care providers across Kentucky to update them on the ongoing statewide and national HAV outbreak and give guidance on ongoing prevention efforts. > 70 attendees. Frankfort, KY.
- 6/19 Epidemiology Updates, Statewide Outbreaks and Other Risks. Public Health Nurse ITV. Frankfort, KY.
- 4/19 Gastroenteritis in a Kentucky Healthcare Facility. Provided a 2.75-hour final outbreak investigation exercise for students in Eastern Kentucky University's Applied Epidemiology Course – 9 attended. Richmond, KY.
- 2/19 Kentucky Infection Prevention Boot Camp Outbreak Investigation Exercise. Updated and facilitated 3.5-hour table-top exercise for infection control practitioners to learn outbreak investigation skills – 250 enrolled. Lexington, KY
- 1/19 Epidemiology and Public Health, What it is, How it Works. Gave 1-hour lecture on public health and epidemiology to \sim 18 Preventive Medicine Residents. Medical Residents Seminar. St. Elizabeth's Hospital. Edgewood, KY.
- 12/18 Research Design and Level of Evidence. Gave 1-hour lecture on public health research design to \sim 25

Medical Residents. Medical Residents Seminar. St. Elizabeth's Hospital. Edgewood, KY.

- 11/18 Infectious Disease Outbreak in a Kentucky Healthcare Facility. Facilitated a 3-hour table-top exercise for Doctor of Nursing Practice (DNP) students to learn outbreak investigation skills ~20 enrolled. University of Louisville, Louisville, KY.
- 10/18 Kentucky Public Health Assistance and Support Team (K-PHAST) Training, University of Louisville, School of Public Health and Information Sciences. Taught session on Basics of Epidemiology and the 10 Steps of Outbreak Investigation – 18 students, 1 graduate assistant. Louisville, KY.
- 6/18 Hepatitis C – Changes in the Core Clinical Services Guide (CCSG). Provided a short presentation for public health nurses statewide on surveillance and testing changes incorporated in Kentucky's CCSG resource. ITV Broadcast, Frankfort, KY
- 5/18 Epi Rapid Responder Team Training, Basic Training Program. Taught 3-hour session on the Basics of Epidemiology – 65 enrolled, Versailles, KY.
- 4/18 Careers in Epidemiology and Public Health. Taught a 1.25-hour undergraduate class session on public health careers in epidemiology and the USPHS. University of Louisville, School of Public Health and Information Sciences ~75 enrolled. Louisville, KY.
- 3/18 Basics of Outbreak and Cluster Investigation. Provided a 2.5-hour interactive lecture in Applied Epidemiology course to MPH students. Eastern Kentucky University – 13 enrolled. Richmond, KY.
- 2/18 Basics of Field Epidemiology. Provided a 2-hour interactive lecture to MPH students – 15 students enrolled. University of Kentucky, Lexington, KY.
- 10/17 Kentucky Public Health Assistance and Support Team (K-PHAST) Training, Western Kentucky University. Taught session on Basics of Epidemiology and the 10 Steps of Outbreak Investigation – 15 students, 1 faculty member, and 6 health department staff enrolled, Bowling Green, KY.
- 9/17 Evaluating the Evidence. Gave 1-hour lecture on public health research design to ~25 Preventive Medicine Residents. Medical Residents Seminar. St. Elizabeth's Hospital. Edgewood, KY.
- 9/17 Basics of Epidemiology and Outbreak Investigation. Provided a 1.5-hour lecture to Preventive and Occupational Medicine Residency participants – 7 attended. University of Kentucky, Lexington, KY.
- 8/17 ERRT: Response to Public Health Events 2017 Solar Eclipse. Public Health Nurse ITV. Frankfort, KY.
- 4/17 Epi Rapid Responder Team Training, Basic Training Program. Taught 3 hour session on the Basics of Epidemiology, one 1-hour session on Questionnaire and Survey Design – 50 enrolled, Versailles, KY.
- 3/17 Careers in Epidemiology and Public Health. Taught a 1.25-hour undergraduate class session on public health careers in epidemiology and the USPHS. University of Louisville, School of Public Health and Information Sciences ~85 enrolled. Louisville, KY.
- 2/17 Basics of Outbreak and Cluster Investigation. Provided a 2.5-hour interactive lecture in Applied Epidemiology course to MPH students. Eastern Kentucky University – 8 enrolled. Richmond, KY.
- 1/17 Kentucky Public Health Assistance and Support Team (K-PHAST) Training, Western Kentucky University. Taught session on Basics of Epidemiology and the 10 Steps of Outbreak Investigation – 14 students enrolled, Bowling Green, KY.

- 11/16 Kentucky Public Health Assistance and Support Team (K-PHAST) Training, University of Louisville, School of Health and Information Sciences. Taught 2-hour session on Basics of Epidemiology and the 10 Steps of Outbreak Investigation – 45 enrolled, Louisville, KY.
- 9/16 Basics of Outbreak Investigation. Provided a 2.5-hour interactive lecture to MPH students – 20 students enrolled. University of Kentucky, Lexington, KY.
- 8/16 Research Design and Level of Evidence. Gave 1-hour lecture on public health research design to ~17 Preventive Medicine Residents. Medical Residents Seminar. St. Elizabeth’s Hospital. Edgewood, KY.
- 4/16 Epi Rapid Responder Team Training, Basic Training Program – Taught 3-hour session on the 10 Steps of Outbreak Investigation, 3 hour session on the Basics of Epidemiology, one 1-hour session on Questionnaire and Survey Design – 32 enrolled, Frankfort, KY.
- 4/16 Epi Rapid Responder Team Training, Refresher Training Exercise – Coordinated full-day exercise based on CDC template for beginners and refresher for existing ERRT members – 79 enrolled, Frankfort, KY.
- 4/16 Outbreak Investigation Field Exercise. Conducted a 3.5-hour epidemiologic table-top exercise for Preventive and Occupational Medicine Residency participants – 5 attended. University of Kentucky, Lexington, KY.
- 2/16 Outbreak Investigation in Healthcare Settings. Taught a 2.5-hour class session on healthcare associated infection outbreaks and preparedness in the healthcare setting. University of Kentucky, College of Public Health – 13 enrolled. Lexington, KY.
- 1/16 2014 Ebola Virus Outbreak: West Africa. Taught 1-hour undergraduate class session (CPH 310) on the 2014-15 West African Ebola outbreak response. University of Kentucky, College of Public Health – ~ 60 enrolled. Lexington, KY.
- 1/16 Basics of Epidemiology and Outbreak Investigation. Provided a 3-hour lecture to Preventive and Occupational Medicine Residency participants – 5 attended. University of Kentucky, Lexington, KY.
- 12/15 The Basics of Epidemiology and Outbreak Investigation. Provided a 2.5-hour lecture to MPH students – ~40 enrolled. University of Louisville, School of Public Health and Information Sciences. Louisville, KY.
- 10/15 Careers in Epidemiology and Disease Control. Taught a 1.5-hour undergraduate class session on public health careers in epidemiology and the USPHS. University of Kentucky, College of Public Health – 23 enrolled. Lexington, KY.
- 10/15 Research Design and Level of Evidence. Gave 1-hour lecture on public health research design to ~15 Preventive Medicine Residents. Medical Residents Seminar. St. Elizabeth’s Hospital. Edgewood, KY.
- 9/15 Outbreak Investigation. Provided a 2.5-hour lecture to MPH students – University of Kentucky, College of Public Health – ~25 enrolled. Lexington, KY.
- 9/15 2014 Ebola Virus Outbreak: West Africa. Taught 1-hour undergraduate class session on the 2014-15 West African Ebola outbreak response. University of Kentucky, College of Public Health – ~ 50 enrolled. Lexington, KY.
- 8/15 Epidemiology and Infectious Diseases. Provided overview of public health legal authorities in KY and reportable disease surveillance process. New Health Department Directors Orientation Session. 8/26/15. About 8 in attendance. Frankfort, KY.

- 5/15 Epi Rapid Responder Team Training, Basic Training Program – Taught 4-hour session on the 10 Steps of Outbreak Investigation, 2.5-hour session on the Basics of Epidemiology, one 1-hour session on Questionnaire and Survey Design – 52 enrolled, Frankfort, KY.
- 5/15 Epi Rapid Responder Team Training, Refresher Training Exercise – Coordinated full-day exercise based on CDC template for beginners and refresher for existing ERRT members – 120 enrolled, Frankfort, KY.
- 4/15 Measles Immunity for Healthcare Personnel. Training for public health nurses on measles immunity and prevention. Public Health Nursing ITV (televised). 4/16/2015. Unknown number viewed. Frankfort, KY.
- 3/15 The Basics of Epidemiology and Outbreak Investigation. Provided a 2.5-hour lecture to MPH students – ~60 enrolled. University of Louisville, School of Public Health and Information Sciences. Louisville, KY.
- 1/15 Outbreak Investigation in Healthcare Settings. Taught a 2-hour class session on healthcare associated infection outbreaks and preparedness in the healthcare setting. University of Kentucky, College of Public Health – 15 enrolled. Lexington, KY.
- 1/15 2014 Ebola Virus Outbreak: West Africa. Provided 1 hour lecture for CPH 310 undergraduate Disease Detectives Class; about 69 undergraduates enrolled. University of Kentucky, Lexington, KY.
- 10-12/14 Asst. Professor: HEA 855 – Principles of Epidemiology Online Course. Masters of Nursing Program. Provided 120 hours of student guidance, grading of assignments, papers, presentations, and three discussion forums, direction on projects and assisting with learning objectives for 15 students of 120 enrolled. Eastern Kentucky University, Richmond, KY.
- 10/14 Epidemiology 101 – Basics of Field Outbreak Investigation. Provided a 1.75 hour lecture on outbreak investigation with current experiential examples – 25 enrolled. University of Kentucky, Lexington, KY.
- 5/14 Gastroenteritis in a Kentucky Healthcare Facility. Provided a 3.5-hour final outbreak investigation exercise for students in Eastern Kentucky University’s Applied Epidemiology Course – 6 enrolled. Richmond, KY.
- 5/14 Epi Rapid Responder Team Training, Basic Training Program – Taught 4-hour session on the 10 Steps of Outbreak Investigation, 3-hour session on the Basics of Epidemiology, one 1-hour session on Questionnaire and Survey Design – 47 enrolled, Frankfort, KY.
- 5/14 Epi Rapid Responder Team Training, Refresher Training Exercise – Coordinated full-day exercise based on CDC template for beginners and refresher for existing ERRT members – 95 enrolled, Frankfort, KY.
- 4/14 Gastroenteritis in a Kentucky Healthcare Facility. Provided a 3.5-hour outbreak investigation exercise for Preventive and Occupational Medicine Residency participants – 4 enrolled. University of Kentucky, Lexington, KY.
- 4/14 Basics of Field Epidemiology. Provided a 1.5-hour lecture to Preventive and Occupational Medicine Residency participants – 6 enrolled. University of Kentucky, Lexington, KY.
- 2/14 Basics of Field Outbreak Investigation. Provided a 1.5-hour lecture to MPH students – 31 enrolled. University of Louisville, Louisville, KY.
- 1/14 Outbreak Investigation in Healthcare Settings. Taught a 2-hour class session on healthcare associated infection outbreaks and preparedness in the healthcare setting. University of Kentucky, College of Public Health – 11 enrolled. Lexington, KY.
- 10/13 Kentucky Public Health Assistance and Support Team (K-PHAST) Training, University of Louisville,

School of Health and Information Sciences. Taught session on Basics of Epidemiology and the 10 Steps of Outbreak Investigation – 13 enrolled, Louisville, KY.

- 9/13 Kentucky Infection Prevention Boot Camp Outbreak Investigation Exercise. Created and facilitated 3.5-hour table-top exercise for infection control practitioners to learn outbreak investigation skills – 300 enrolled. Somerset, KY
- 5/13 Gastroenteritis in a Kentucky Healthcare Facility. Provided a 3.5-hour final outbreak investigation exercise for students in Eastern Kentucky University's Applied Epidemiology Course – 11 enrolled. Richmond, KY.
- 4/13 Epi Rapid Responder Team Training, Basic Training Program – Taught 3-hour session on the 10 Steps of Outbreak Investigation, 4 hour session on the Basics of Epidemiology, one 1-hour session on Questionnaire and Survey Design – 45 enrolled, Frankfort, KY.
- 4/13 Epi Rapid Responder Team Training, Refresher Training Exercise – Coordinated full-day exercise based on CDC template for beginners and refresher for existing ERRT members – 85 enrolled, Frankfort, KY.
- 4/13 Kentucky Public Health Assistance and Support Team (K-PHAST) Training, Eastern Kentucky University. Taught session on Basics of Epidemiology and the 10 Steps of Outbreak Investigation – 11 enrolled, Richmond, KY.
- 2/13 Kentucky Public Health Assistance and Support Team (K-PHAST) Training, University of Kentucky, College of Public Health. Taught session on Basics of Epidemiology and the 10 Steps of Outbreak Investigation – 15 enrolled, Lexington, KY.
- 1/13 Outbreak Investigation in Healthcare Settings. Taught a 2- hour class session on healthcare associated infection outbreaks and preparedness in the healthcare setting. University of Kentucky, College of Public Health – 8 enrolled. Lexington, KY.
- 12/12 Kentucky Infection Prevention Boot Camp Outbreak Investigation Exercise. Created and facilitated three-hour table-top exercise for infection control practitioners to learn outbreak investigation skills – 350 enrolled. Somerset, KY
- 7/12 Epi Rapid Responder Team Training, Basic Training Program – Taught 3-hour session on the 10 Steps of Outbreak Investigation, 4 hour session on the Basics of Epidemiology, one 1-hour session on Questionnaire and Survey Design – 50 enrolled, Versailles, KY.
- 7/12 Epi Rapid Responder Team Training, Refresher Training Exercise – Coordinated full-day exercise based on CDC template for beginners and refresher for existing ERRT members – 80 enrolled, Versailles, KY.
- 3-5/12 (Inaugural) Applied Epidemiology Course, 3 Course Sessions (2.75 hour class sessions). Eastern Kentucky University. Taught one session entitled, “Analysis and Data Interpretation, coordinated and served as facilitator for class site visit to KY DPH to meet and learn kinds of work done by state-level Epidemiologists, and led final class tabletop exercise involving a healthcare facility associated outbreak – 11 enrolled, Richmond, KY.
- 3/12 Introduction to Epidemiology Course Session. Taught one 1.75-hour Eastern Kentucky University undergraduate Public Health class session titled: Investigating and Responding to Outbreaks on an Indian Reservation – 20 enrolled, Richmond, KY
- 10/11 Kentucky Infection Prevention Boot Camp Outbreak Investigation Exercise. Created 1-hour table-top exercise and facilitated exercise in 2 sessions for infection control practitioners to practice outbreak investigation skills – about 60 attended each session (120 total). Louisville, KY
- 9/11 Introduction to Epidemiology Course Session. Taught one 1.25-hour Eastern Kentucky University

undergraduate Public Health class session titled: Investigating and Responding to Outbreaks on an Indian Reservation – 20 enrolled, Richmond, KY

- 6/11 Epi Rapid Responder Team Training, Basic Training Program – Taught 3-hour session on the 10 Steps of Outbreak Investigation, 4 hour session on the Basics of Epidemiology, one 1-hour session on Questionnaire and Survey Design – 50 enrolled, Frankfort, KY.
- 6/11 Epi Rapid Responder Team Training, Refresher Training Exercise – Coordinated full-day exercise based on CDC template for beginners and refresher for existing ERRT members – 89 enrolled, Frankfort, KY.
- 4/11 Introduction to Epidemiology Course Session. Taught one 1-hour Eastern Kentucky University undergraduate Public Health class session titled: Acute Lead Poisoning in Zamfara State, Nigeria - 17 enrolled, Richmond, KY
- 7/10 Epi Rapid Responder Team Training, Basic Training Program – Taught 3-hour session on the 10 Steps of Outbreak Investigation, 4 hour session on the Basics of Epidemiology, one 1-hour session on Questionnaire and Survey Design – 30 enrolled, Frankfort, KY.
- 7/10 Epi Rapid Responder Team Training, Refresher Training Exercise – Coordinated full-day exercise based on CDC template for beginners and refresher for existing ERRT members – 70 enrolled, Frankfort, KY.
- 5/10 Disaster Surveillance/Community Rapid Needs Assessment Training – Presented on Disaster Surveillance and Kentucky's experience with Community Assessment of Public Health Emergency Response (CASPER) methodology as part of 2-day CDC training for Iowa PH – 45 enrolled, Des Moines, IA.
- 4/10 Introduction to Epidemiology Course Session. Taught one 1-hour Eastern Kentucky University undergraduate Public Health class session titled: Investigating and Responding to an Outbreak on an Indian Reservation – 10 enrolled, Richmond, KY
- 7/09 Epi Rapid Responder Team Training, Basic Training Program – Taught 3-hour session on the 10 Steps of Outbreak Investigation, one 4 hour session on the Basics of Epidemiology, one 1-hour session on Questionnaire and Survey Design – 49 enrolled, Frankfort, KY.
- 7/09 Epi Rapid Responder Team Training, Refresher Training Exercise – Prepared new epidemiologic exercise and coordinated full-day exercise based on CDC template for beginners and refresher for existing ERRT members – 64 enrolled, Frankfort, KY.
- 11/08 Introduction to Epidemiology Course Session. Taught one 3-hour University of Kentucky MPH Program class session titled: Epidemiology: Public Policy and Ethics, Lexington, KY.
- 11/08 Global Health and Infectious Disease – Taught one 3-hour Eastern Kentucky University course titled: Careers in the Commissioned Corps of US Public Health Service and Building Epidemiologic Capacity in Kentucky, Richmond, KY.
- 5/08 Epi Rapid Responder Team (ERRT) Training, Basic Training Program – Taught 3-hour session on the 10 Steps of Outbreak Investigation, one 4 hour session on the Basics of Epidemiology, one 1-hour session on Questionnaire and Survey Design – 45 enrolled, Frankfort, KY.
- 5/08 Epi Rapid Responder Team Training, Refresher Training Exercise – Coordinated full-day epidemiologic exercise based on CDC template for beginners and refresher for existing ERRT members – 56 enrolled, Frankfort, KY.
- 9/07 Global Health and Infectious Disease – Taught one 1½-hour session on international health issues and working overseas at Eastern Kentucky University, Richmond, KY.

- 5/07 Epi Rapid Responder Team Training, Basic Training Program – Taught two 3-hour sessions on the 10 Steps of Outbreak Investigation, one 4 hour session on the Basics of Epidemiology, one 1-hour session on Questionnaire and Survey Design – 32 enrolled, Frankfort, KY.
- 5/07 Epi Rapid Responder Team Training, Refresher Training Exercise – Designed full epidemiologic exercise based on CDC template, organized exercise day with 4 groups and 8 group facilitators – 37 enrolled, Frankfort, KY.
- 12/06 Infectious Diseases and Global Health Class – Taught one class session in seminar class at Eastern Kentucky University, Richmond, KY.
- 12/06 Epi Rapid Responder Team Training, Basic Training Program – Taught two 3-hour sessions on the 10 Steps of Outbreak Investigation, one 4 hour session on the Basics of Epidemiology – 52 enrolled, Frankfort, KY.
- 12/06 Epi Rapid Responder Team Training, Refresher Training Exercise – Designed full epidemiologic exercise based on CDC template, organized exercise day with 8 groups and 9 group facilitators – 85 enrolled, Frankfort, KY.
- 9/06 – 12/06 Intro to Epidemiology course sessions – taught two class sessions (three hours each) at University of Kentucky as fill-in for regular professor, Lexington, KY.
- 9/05 – 12/05 Intro to Epidemiology course sessions – taught three class sessions twice (three hours each) at University of Kentucky as fill-in for regular professor, Lexington, KY.
- 6/04 Making the Case for Case Investigation Train-the-Trainer Workshop, Council of State and Territorial Epidemiologists Annual Meeting, Boise, ID.
- 8/02 – 6/05 Active participant and planner in five regional bioterrorism preparedness exercises in Kentucky, including two tabletops and three functional exercises.
- 8/02 – 6/05 Outbreak Investigation and Epidemiology Training Course Instructor, (averaging 4-5 1-day courses taught/year), Epi Rapid Responder and Regional Epidemiologist training groups, Kentucky Department for Public Health, Frankfort, KY.
- 7/96 – 7/02 Epi Info (epidemiologic investigation software) Instructor (Average 3 1-day courses taught/year), Tribal health worker programs on Navajo Reservation, New Mexico, Arizona; for public health professionals, public health students, IHS Sanitarians, Public Health Nurses, Community Health Representatives.
- 11/01 Outbreak Investigation, Epidemiology, and Data Analysis, Instructor, IHS Sanitarian and Public Health Nurse Advanced Training Course, Albuquerque, NM.
- 7/00, 3/97 Chronic Disease Epidemiology Course, Surveillance, Session Instructor, University of New Mexico, Master in Public Health Program, Albuquerque, NM.
- 1/00 - 5/00 Infectious Disease Epidemiology Course, Assistant Professor, University of New Mexico, Master in Public Health Program, Albuquerque, NM.
- 2/00, 4/98, 10/96 Outbreak Investigation and Epidemiology Orientation, Session Instructor, IHS Sanitarian Orientation Course, Albuquerque, NM.
- 2/99 Health Behavior Theory Course, Session Instructor, University of New Mexico, Master in Public Health Program, Albuquerque, NM.
- 1/98 - 5/98 Infectious Disease Epidemiology Course, Assistant Professor, University of New Mexico, Master in Public Health Program, Albuquerque, NM.
- 8/91 - 12/94 Teacher's Assistant, Ph.D. & MS epidemiology, biostatistics, and computer courses, Rollins School of Public Health, Emory University, Atlanta, Georgia.
- 8/84 - 6/86 Teaching Assistantship, MS & BA research methods, research design, laboratory and statistics psychology classes, Central Washington University, Ellensburg, Washington.

PROFESSIONAL ASSOCIATIONS

PHS

Reserve Officers Association, Lifetime member	2007- <i>present</i>
Commissioned Officer's Association, Cincinnati Chapter	2002- <i>present</i>
Applied Public Health Team – 1	2006-2013
USAID Disaster Assistance Response Team (DART) Member	2001
Commissioned Corps Readiness Force Responder	1999-2006
Commissioned Officer's Association, Rio Grande Chapter	1996-2002

Non-PHS

University of Louisville Community Advisory Board	2013- <i>present</i>
University of Kentucky Practice and Service Committee Community Representative	2010- <i>present</i>
Eastern Kentucky University MPH Advisory Board	2008- <i>present</i>
Delta Omega Public Health Honor Society	2008- <i>present</i>
Kentucky Public Health Association	2004- <i>present</i>
Kentucky Cabinet for Health and Family Service Internal Review Board, Co-Chair	2003- <i>present</i>
Kentucky Health and Medical Preparedness Advisory Committee	2002- <i>present</i>
Kentucky Hospital Association Emergency Preparedness Subcommittee	2002-2007
Council of State and Territorial Epidemiologists (CSTE), Member	2001- <i>present</i>
New Mexico Advisory Committee on Immunization Practices	1999-2002
Infectious Diseases Society of New Mexico	1998-2002
American Public Health Association (APHA)	1993-1997

HONORS/AWARDS/ACTIVITIES

PHS - Corps

November, 2021	<u>COVID-19 Pandemic Campaign Medal with EA</u> . Period of 30 consecutive days or 60 non-consecutive days in direct support of the Department's COVID-19 Pandemic response.
January, 2021	<u>Outstanding Unit Citation</u> : Hepatitis A Outbreak Response Team - For exemplary leadership and service in responding to widespread person-to-person Hepatitis A outbreaks in 30 states.
January, 2021	<u>Presidential Unit Citation</u> : The highest-level of performance of duty: protecting, promoting, & advancing the health & safety of the nation during the COVID-19 pandemic
December, 2020	<u>Outstanding Unit Citation</u> : CRAFT Team - Exemplary leadership in promoting public health and advocating community mitigation measurement to stop the spread of COVID-19.
October, 2020	<u>COVID-19 Pandemic Campaign Medal</u> : Covid-19 Pandemic Campaign Medal - Response efforts in support of the coronavirus disease 2019 (COVID-19) pandemic.
August 2020	<u>Outstanding Unit Citation</u> : Electronic Cigarette or Vaping Product Use-Associated Lung Injury (EVALI) Response Group - Superior leadership and service in response to a national outbreak of novel severe lung injuries.
May, 2020	<u>Unit Commendation</u> : CDC Northern Kentucky/Hamilton Co, Ohio HIV Outbreak Response Team - Responding to one of the largest US Outbreaks of HIV among persons who inject drugs and the only such outbreak that substantially involved two states.
April, 2019	<u>Surgeon General's Exemplary Service Medal</u> : APHT #1 - Team Leaders for Commissioned Corps Tier I and Tier II response teams from 2009 to 2018.
December, 2018	<u>Outstanding Unit Citation</u> : Extraordinary effort to implement scientific, field response, and communication measures for monitoring and containing the Zika virus outbreak.
October, 2018	<u>Unit Commendation</u> : Ingenuity and leadership in managing an effort to raise awareness and align resources to reduce hepatitis infection in Eastern Kentucky.
January, 2017	<u>Global Response Service Award</u> : Awarded to PHS officers deployed OCONUS to conduct epidemiologic assessment, community education, laboratory services or vaccine testing in support of the U.S. response strategy to contain the international Ebola outbreak.
December, 2016	<u>Outstanding Unit Citation</u> : CDC Ebola Responders - Outstanding leadership, unwavering dedication and personal sacrifices which saved countless lives and prevented a global catastrophe during the Ebola outbreak.
June, 2016	<u>Presidential Unit Citation</u> : Extraordinary courage and the highest level of performance in action throughout the United States Government's response to the Ebola outbreak.
September, 2015	<u>Presidential Unit Citation</u> : In recognition of PHS officer support during the Ebola response.
July, 2015	<u>Outstanding Unit Citation</u> : Excellent response to an increase in international MERS-CoV cases and to the first U.S MERS-CoV cases.
November, 2014	<u>Unit Commendation</u> : Exceptional service in documenting Strongyloides infection in communities in Appalachia.
July, 2014	<u>Outstanding Unit Citation</u> : Middle East Respiratory Syndrome Coronavirus 2014 Response Team, Excellent response to increase in international MERS-CoV cases and to the first US MERS-CoV cases.
December, 2013	<u>Unit Commendation</u> : Leadership and superior efforts in investigating and controlling exposure to potentially rabid bats.
June, 2013	<u>Outstanding Unit Citation</u> : Preventing human illness by responding to an outbreak at two rodent breeding facilities, and enacting public health measures in 21 states.
January, 2013	<u>Unit Commendation</u> : Development of category-specific plans for working strategies and implementation of the National Prevention Strategy.
May, 2012	<u>Commendation Medal</u> : Exceptional leadership and acting as liaison between OFRD and the state of Kentucky Dept of Public Health during Operation Foothold.
July, 2011	<u>Special Assignment Award</u> : Full three-year participation on Tier I and Tier II Response Team.
August, 2010	<u>Outstanding Unit Citation</u> : Leading the Department of Health and Human Services' prolonged response to the 2009 H1N1 Influenza pandemic.
April, 2010	<u>Outstanding Unit Citation</u> : CDC's early and effective response to Pandemic H1N1 (2009).

March, 2010 Unit Commendation: Significant contribution, achievement and management of the Commissioned Corps Medical Readiness Field Training.

November, 2009 Unit Commendation: Rapid, efficient, & effective assessment of public health needs during the Kentucky ice storms.

August, 2009 Recruitment Service Ribbon: For successful completion of all program requirements.

February, 2009 Unit Commendation: Demonstrating that disaster data collection can be effectively enhanced using handheld computers with GPS capability.

October, 2008 Unit Commendation: Exceptional contributions via participation in WPDG's that established policy concepts for the Secretary's Transformation Plan.

June, 2008 Field Medical Readiness Badge: Demonstrated through training, physical fitness, necessary skills, and other requirements to be effective responder.

May, 2008 Unit Commendation: Collaborative effort in the development and implementation of activities related to the '07 USPHS Scientific/Training Symposium.

October, 2007 Outstanding Service Medal: Outstanding leadership in carrying out the mission of the USPHS.

February, 2007 CC Training Ribbon: Successfully completed the requirements for the Basic Officer Training Course and the Independent Officer Training Course.

January, 2007 Outstanding Unit Citation: Protecting public health of citizens of Louisiana, Texas, Florida, and Mississippi after Hurricanes Katrina, Rita, and Wilma.

December, 2006 Commendation Medal: Significant contributions and outstanding leadership to the Scientist Category and the OSG as the Acting Chief Scientist Officer.

October, 2006 Unit Commendation: Contributions in the management and evolving relationship between CDC/ATSDR and the PHS Commissioned Corps.

January, 2006 Crisis Response Service Award: Response to Gulf Coast hurricanes (Katrina, Rita, Wilma) in Mississippi, Louisiana, Texas and Florida.

September, 2005 Special Assignment Award: Completed 30 non-consecutive days of SciPAC activity.

September, 2004 Outstanding Unit Citation: Planning and implementing National Smallpox Vaccination Program to enhance the Nation's capacity for smallpox preparedness.

May, 2004 Regular Corps Ribbon: Assimilated into the Regular Corps of the PHS.

February, 2004 Unit Commendation: Identifying the association between cochlear implants and meningitis and carrying out and effecting public health intervention.

October, 2001 Unit Commendation: Superior performance carrying out hepatitis A vaccination coverage surveys and disseminating findings to the Navajo Reservation.

July, 2000 PHS Citation: Significant contributions toward the accomplishment of PHS objectives by integrating PHS and non-PHS activities.

April, 1999 Outstanding Unit Citation: Organizing and executing a successful vaccination campaign in the face of hepatitis A epidemic, saving health and lives.

October, 1998 Achievement Medal: Sustained quality of performance of research duties at the Epidemiology Branch of the IHS Headquarters Office.

January, 1998 Bicentennial Unit Commendation: Extended active duty during PHS's 1998 bicentennial year.

HONORS/AWARDS/ACTIVITIES

PHS – Non-Corps

Excellence in Emergency Response: Toby Merlin Award – Domestic Hepatitis A Outbreak Response Team – CDC/ATSDR	September, 2020
Excellence in Communications or Policy, JIC Health Promotions Team 2014 Ebola Response-Specific Awards – CDC/ATSDR	March, 2015
Excellence in Emergency Response International, West Africa Ebola Response OPHPR/DSLIR Honor Awards - 2014	January, 2015
Plain Writing Award, Ebola Response – OPHPR/DSLIR Honor Awards- 2014	January, 2015
Excellence in Science – Career Epidemiology Field Officer Program	January, 2009
Distinguished Service Award for CEFO Program, CDC/CCHIS	October, 2006
Secretary’s Award for Distinguished Service – Katrina/Rita/Wilma	June, 2006
CDC Customer Service Award – San Antonio Katrina and Rita Response Team	May, 2006
National Center for Infectious Diseases (CDC) Honor Award Certificate	May, 2006
National Center for Infectious Disease James H. Nakano Citation	August, 2005
Charles C. Shepard Science Award Nomination	June, 2005
Outstanding Performance Award for IHS National Epidemiology Program	July, 2002
National Center for Infectious Diseases (CDC) Honor Award Certificate	June, 2002

Non-PHS

- 2023 - University of Kentucky College of Public Health Manuscript of the Year
- 2023 - Opening Speaker, Invited, Kentucky Public Health Association Annual Meeting 4/20/23
- 2013 - FDA Leveraging Collaboration Award – Salmonella Typhimurium in Cantaloupe Investigation, 2012
- 2010 - Russell E. Teague Award for Distinguished Service in Community Health, KY PH Association’s highest award
- 2005 - Commissioner’s Group Award: Excellence for Teamwork Across Division Lines, Kentucky Dept. for PH
- 1994 - Most valuable volunteer, Reece Center for Handicapped Horsemanship
- 1991 - Awarded doctoral fellowship (full tuition and stipend), Emory University
- 1987 - Graduated as Dean’s Scholar, Master’s degree
- 1984 - Graduated magna cum laude, Bachelor’s degree
- 1982 - Awarded membership, Phi Beta Kappa Honor Society
- 1980, 1981 - Member, Phi Kappa Phi Honor Society
- 1980 - National Honor Society Scholarship Award
- 1980 - Salutatorian, Eastmont High School Class of 1980

Letters and Certificates of Appreciation

- 2014 – CDC Director, Dr. Thomas Frieden, Letter of Appreciation for Ebola Responders
- 2014 – OPHPR Director, Letter of Appreciation for Commissioned Corps Officers contributions toward innovation
- 2013 – Public Health Professional Advisory Group (PHPAG), Letter of Appreciation for presentation
- 2013 – University of Kentucky, for Healthcare Associated Infections Preparedness class presentation
- 2012 – University of Louisville, for Infection Prevention presentation and half-day exercise to prepare clinicians for healthcare associated infection outbreaks in their facilities
- 2012 – CAPT Sharon Williams-Fleetwood (CSO*), two letters of appreciation for SciPAC Career Development and Science Subcommittees
- 2012 – KY Commissioner of Health Steve Davis, for “extraordinary service” to people of KY in severe weather response
- 2011 – CAPT Sharon Williams-Fleetwood (CSO*), two letters of appreciation for SciPAC Career Development and Science Subcommittees
- 2011 – Ruth Carrico, University of Louisville, for Infection Prevention presentation and 2, 1-hour exercises to prepare clinicians for healthcare associated infection outbreaks in their facilities
- 2011 – CAPT Kimberly Elenberg (OFRD), for participation in 2011 Field Training Exercises in Kentucky
- 2011 – CAPT David S. de la Cruz, Mission Commander FTX 2011 Pikeville, KY, Letter of appreciation for assisting with and facilitating the 2011 OFRD Response Team Exercise in Eastern Kentucky
- 2011 - CAPT Sharon Williams-Fleetwood (CSO*) and CDR Matthew Newland, for panel presentation and participation

- in Scientist Category Day at the 2011USPHS Scientific and Training Symposium
- 2011 – RADM Stephen Redd, for outstanding commitment to CDC in 2009-2010 H1N1 Influenza Pandemic Response
- 2011 – RADM Ali Khan (Ret), in gratitude for being an invited speaker to the 2011 Board of Scientific Counselor’s Workgroup in reviewing OPHPR’s programs
- 2011 – University of Kentucky, for participation as a faculty mentor in the 2011 Leadership Legacy cohort
- 2010 – CAPT Sharon Williams-Fleetwood (CSO*), three letters for participation in SciPAC Science, Mentoring, and Career Development Subcommittees
- 2010 – Lexington-Fayette County Health Department, Outstanding Service during the World Equestrian Games 2010
- 2010 – CDC, Participation in PHEP Biosurveillance Performance Measures Pilot project
- 2009 – CAPT Sharon Williams-Fleetwood (CSO*), five letters for participation in SciPAC Policy, Mentoring, Readiness and Response, Career Development, and Awards Subcommittees
- 2009 – John Horan (CAPT Ret.), for leadership in coordinating the CEFO Science Lecture Series
- 2009 – CAPT Sven Rodenbeck, for providing instruction on disaster surveillance and community rapid needs assessment
- 2008 – RADM Helena Mishoe (CSO*), five letters for participation in SciPAC Mentoring, Science, Career Development, Awards Subcommittees, participation in the Scientist Category-specific counseling initiative.
- 2007 – RADM’s Williams & Shekar, for guidance, leadership and sacrifices to participate on the Iso/har, Haz. Duty, and Hard-to-Fill Working Policy Design Group (WPDG)
- 2007 – Fellow CEFO, LT Jay Roth, for mentoring and fostering a professional environment
- 2007 – CSO* and SciPAC, for participation in Science, Career Development, Policy Review, & Mentoring, Subcommittees
- 2007 – CSO* and SciPAC, for Category Day Presentation at 2007 USPHS Scientific and Training Symposium
- 2006 – University of Kentucky, for participation in the UK Summer Series on Aging
- 2006 – CSO* and SciPAC, for participating and Co-Chairing Science Subcommittee, participation in Rules Subcommittee and CV Review
- 2006 – RADM John Agwunobi, Assistant Secretary for Health, for sacrifices made to assist ASH during visit to Kentucky for Pandemic Influenza Preparedness Summit
- 2006 – Dr. Julie Gerberding, CDC Director, for supporting the CDC Team during their visit to Kentucky for Pandemic Influenza Preparedness Summit
- 2005 – Eduardo Sanchez, State of Texas Commissioner of Health, for deployment to Texas to support the state’s response to Hurricane Katrina
- 2005 – CSO* and SciPAC, Service and Leadership, Rules Subcommittee, CV Review
- 2005 – Lake Cumberland District Health Department for participation in a local preparedness video
- 2003 – CSO* and SciPAC, Scientist Category Day Presentation
- 2001 – CSO* and SciPAC, Scientist Survey Report
- 2000 – IHS, Environmental Health Orientation Instructor
- 2000 – National Diabetes Prevention Center, NDPC Summer Institute Presenter
- 1998 – IHS, Environmental Health Orientation Instructor

PHS SUPPORT ACTIVITIES

- Participant in USPHS Commissioned Corps Retirement Extension Board, August-September, 2017
- Site Officer, Firestone Rubber Plantation Site Visit by CDC Director during International Ebola Response, Liberia, West Africa, August, 2014.
- Tribal Public Health Capacity Building and Quality Improvement (CDC-RFA-OT13-1303) Review, August, 2013. CDC Objective Review Panel for competitive grant funding.
- CDC Team Lead for Acute Lead Poisoning Follow-up Investigation, Zamfara State, Nigeria, November 1-24, 2010
- Applied Public Health Team-1 (APHT-1) Team Commander, June, 2009 – June, 2013
- 2011 USPHS Scientific and Training Symposium, Scientist Category Day, Invited Panel Member: The Role of Scientist Officers in Deploying for Disasters, June, 2011
- Applied Public Health Team-1 (APHT-1) Epi Section Chief, June, 2007 – May, 2009
- Disaster Data Collection Tools Workgroup (DDCTW) Coordinator
- 2007 USPHS Scientific and Training Symposium, **Session Moderator**: Scientist Category Day, The Diversity of the Scientist Officer Panel, June 5; Applied Public Health Breakout Session, June 7.
- Associate Recruiter, May, 2007 – 2009
- CDC Director's Commissioned Corps Policy Advisory Committee (CCPAC), May, 2005 – 2008
- Involvement in Transformation Planning and Policy Development
 - Discipline and Retention Working Integrated Project Team (WIPT) 11/2006 – 11/2007
 - Isolated Hardship, Hard-to-Fill, Hazardous Duty (3H) Working Policy Design Group (WPDG) 12/2006 – 5/2007
 - Active contribution and leadership in numerous Corps policy reviews via CPO Board, CCPAC, SciPAC – *ongoing*
- Chief Professional Officer, Scientist Category (Acting), February, 2004 – March, 2005
- SciPAC Chair, September, 2003 – February, 2004
- SciPAC Vice Chair, September, 2002 – August, 2003
- Spearheaded multiple SciPAC CC policy responses (e.g., promotion, readiness, benchmarks) reviews, 2003 – 2004
- Coordinated RADM Lireka Joseph Promotion and Memorial Service efforts for Scientist Category, 2003 – 2004
- Scientist Professional Advisory Committee (SciPAC), Member, 2001 - 2005
- Technical Reviewer, Principles of Epidemiology in Public Health Practice, Third Edition, a CDC-published epidemiology text book, 2005
- Chair, IHS Hepatitis C Workgroup, February, 2001 – July, 2002
- PHS CV Reviewer, Scientist Category, 2001, 2002, 2003, 2004, 2005, 2006
- Reviewer/editor, Scientist Officer Survey, 2001- SciPAC Certificate of Appreciation awarded September 2001
- Indian Health Service Bioterrorism Planning and Response Team, 2001
- CDC National Hepatitis Coordinator's Conference, Session Moderator. July/August, 2001
- IHS HIV/STD/Hepatitis Integration Team Member, 2000-2001
- REACH Review, July, 1999. CDC Objective Review Panel for competitive grant funding.

SPECIAL SKILLS

Special Skills:

- Computer software abilities:

Statistical: SAS, SASJMP, EPI INFO 7.0, SPIDA, EGRET
Database: ACCESS, EXCEL
Geographic: IDRISI
GIS: ArcView GIS
Graphics: Power Point, Adobe Photoshop, Publisher
Survey Methodology: CASPER

- Languages:

Basic German
Liberian English

Special Training:

- Epi Ready Foodborne Outbreak Investigation Training – April, 2019
- Assessment of Chemical Exposure (ACE) Training – March, 2016
- Emergency Responder Health Monitoring and Surveillance Program (ERHMS) Training – March, 2016
- CASPER Rapid Needs Assessment Training – April, 2013; June, 2013; Sept., 2015, 2017
- Personnel Management Training, KY Personnel Cabinet – December, 2013
- Trimble GeoXT GPS/Handheld Device Training for Public Health Response – May, 2008
- Meta-Leadership Training – June, 2008
- Incident Command Training, ICS 100, 200, 700, 800 (All completed 2006), 300, 1900 (2009)
- Hospital Incident Command System Training, Lexington, KY, July, 2004
- EIS Bioterrorism Response and Orientation, Anniston, AL, June, 2002
- Disaster Assistance Response Team (DART) Training, March, 2001
- Basic Life Saving/CPR, July, 2003
- Emory University graduate teacher training program, July-August, 1992
- Peace Corps international public health training - 206 hours of health worker training, 1988
- Proud father of seven children, three special needs girls adopted July, 1998, twin special needs boys adopted February, 2001, and two very special girls, born November, 2003 & July, 2006

CONTINUING EDUCATION

Have maintained >40 Hours continuing education most years since joining Corps.

Please see eOPF documentation for yearly summaries of continuing education activities.

PROFESSIONAL AND CONFERENCE PRESENTATIONS

PHS

Thoroughman D. A Brief Look at Kentucky Public Health Over the Years. Opening Speaker (Invited), Kentucky Public Health Association Annual Conference. Bowling Green Kentucky. April 20, 2023.

Thoroughman, D. Planning & Response for Public Health Emergencies: How Do We Address Health Disparities? University of Cincinnati Dept. of Environmental & Public Health Services, Social Justice and Public Health Interest Group. January, 2023.

Thoroughman, D., Gunnell J. COVID-19 Mortality Comparison: Kentucky Data vs. CSTE Mortality Case Classification Guidance. CSTE All-State Epidemiologist Weekly COVID-19 Call. Virtual. October 2022.

Thoroughman, D. Kentucky Department for Public Health Call to Action: Viral Hepatitis Updates and Elimination in Kentucky. 2021 8th Annual Kentucky Viral Hepatitis Conference. Virtual. July, 2021.

Thoroughman, D. (Facilitator and primary presenter). Kentucky COVID-19 Healthcare and Public Health Clinical Update. Series webinars presented for Kentucky clinicians, healthcare facilities, and public health practitioners providing situation updates and clinical guidance during the COVID-19 pandemic. Attendance ranged from max: 3,000 to min: \cong 370 June '21. Total of 17 1.5-hour sessions held between January 28, 2020 and July 27, 2021.

Thoroughman, D., Mendel, C. Hepatitis A Outbreak in Kentucky – Public Health & Food Program Response. FDA 2019 Rapid Response Team Face-to-Face Meeting. Louisville, KY, December, 2019

Thoroughman, D., Hepatitis A and Other Public Health Issues Related to Corrections. Kentucky Jailers Association Fall/Winter Conference. Louisville, KY, December, 2019.

Thoroughman, D. Outbreaks OR What Keeps me Awake at Night. Kentucky Rural Health Association Annual Conference. Bowling Green, KY, November, 2019.

Bledsoe, A., *Thoroughman, D.* KHIE – Kentucky Health Information Exchange: Electronic Case Reporting in Kentucky – A Boost for IP's. Kentucky Hospital Association's, A Day for Infection Preventionists. Louisville, KY, November, 2019.

Thoroughman, D (Panel member). University of Kentucky Infectious Disease Research Day - One Health Panel Discussion. Lexington, KY, October, 2019.

Thoroughman, D., Hoagland, E., McFadden, D. Pulmonary Disease Associated with Vaping. Kentucky Vaping-Lung Injury Webinar for Clinicians. Frankfort, KY, October, 2019

Thoroughman, D. Hepatitis A in Kentucky: Going, Going...Gone? (Plus: What's Going On With Hepatitis C?). Kentucky Advanced Practice Registered Nurse (APRN) Conference. Frankfort, KY, September, 2019.

Thoroughman, D., Hunt, A., McKinley, BM. Hospital Emergency Department Update for Kentucky's Hepatitis A (HAV) Outbreak. Statewide webinar for emergency department clinicians. Frankfort, KY, August, 2019.

Thoroughman, D. Epidemiology Updates: Statewide Outbreaks and Other Risks. Public Health Nursing Webinar covering ongoing hepatitis A outbreak, recent *E. coli* and Salmonella outbreaks, & Ebola situation. Frankfort, KY, June, 2019.

Giesbrecht, K., *Thoroughman, D.* Rabbits: Canary in the Coal Mine or Public Enemy #1? A One Health Approach to a Kentucky Tularemia Investigation. Council of State and Territorial Epidemiologists (CSTE) Annual Conference. Raleigh, NC, June, 2019.

Thoroughman, D. Kentucky State Hepatitis A Outbreak Updates. Convocation of Southern State Epidemiologists (CSSE) Annual Conference. Lexington, KY, April, 2019.

Thoroughman, D. Kentucky State Hepatitis A Outbreak Updates. Kentucky Public Health Association Annual Conference

– Panel with Secretary of Health and Commissioner of Health for Kentucky. Newport, KY, April, 2019.

Thoroughman, D. Kentucky State Hepatitis A Outbreak Update for Clinicians. KDPH Statewide Webinar for Healthcare Professionals and Public Health Departments. Frankfort, KY, March, 2019

Thoroughman, D. Hepatitis A and the Hepatitis A Outbreak in Kentucky: 2017-2018 → 2019? Kentucky Rural Health Association Annual Conference, Bowling Green, KY, November, 2018.

Thoroughman, D. Hepatitis A Outbreak in Kentucky – 2018 Or Look What Fun Public Health Event Could be on YOUR Horizon Next! Convocation of Southern States Epidemiologists Annual Conference. Atlanta, GA, May, 2018.

Thoroughman, D. Orientation for New Health Department Directors. 1-hour presentation on public health law and epidemiology for new Kentucky local health department directors. Frankfort, KY, December, 2018.

Thoroughman, D. Kentucky Best Practices and Successes – Legislative Strategies. North Carolina Regional Hepatitis C Summit. Asheville, NC, October, 2017.

Thoroughman, D. Living Life in Public Health. Keynote address at Eastern Kentucky University College of Health Sciences Scholars Day. Eastern Kentucky University, Richmond, KY, April, 2017.

Thoroughman, D. Planning With Partners to Improve Kentucky's Health. Kentucky State Health Improvement Plan Meeting. Frankfort, KY, March, 2017.

Thoroughman, D. A Public Health Response to Risks of Injection Drug Use: Kentucky's Experience. Joint Indiana/Kentucky National Webinar through University of Louisville School of Public Health and Information Sciences. Louisville, KY, January, 2017.

Thoroughman, D. Substance Abuse and PH Outcomes in Kentucky. ASTHO Substance Abuse-HCV/HIV/NAS Prevention Strategic Planning Meeting. Versailles, KY, October, 2016.

Thoroughman, D. Priority HCV Issues in Kentucky. CDC HCV Diagnostic Summit. Atlanta, GA, September, 2016.

Thoroughman, D. Zika Prevention: Protect Yourself. Video presentation for public consumption for KY Department for Public Health. Can be accessed at: <https://www.youtube.com/watch?v=sHc8N1EntXM>. Full presentation with all presenters available at: <https://www.youtube.com/watch?v=jX4QKXpC5xs>. June, 2016

Thoroughman, D. Zika Virus Overview and Response. Region 3 Healthcare Preparedness Coalition/Infection Control Network. Owensboro, KY, May, 2016.

Thoroughman, D. Rats, Bats, Melons, Mumps and Zika - A Day in Response Life at KDPH. Kentucky ESF-8 Public Health Preparedness Summit. Somerset, KY, May, 2016

Thoroughman, D. Building Epidemiologic Capacity in Kentucky (BECKY). Panel presentation and discussion, Kentucky Public Health Association Annual Meeting. Owensboro, KY, April, 2016.

Thoroughman, D. Ebola and Other Emerging Infectious Diseases – Responding to Global Threats. Fulbright Scholars Seminar Program – Global Health and UM Millennial Goals. University of Kentucky. Lexington, KY, February, 2016.

Thoroughman, D. 2014-15 Ebola Virus Outbreak: West Africa. St. Elizabeth's Hospital Infectious Diseases Response Team Annual Update. Edgewood, KY, January, 2016

Thoroughman, D. The Blue Ridge Darkway: Substance Abuse and Hepatitis in Kentucky. CDC Career Epidemiology Field Officer Annual Meeting. Atlanta, GA, October, 2015.

Thoroughman, D. Epidemiology and Infectious Diseases. New Health Department Directors Orientation. Frankfort, KY, August, 2015.

Thoroughman, D. Confronting Ebola in Liberia, West Africa: A Public Health Crisis. 2015 Interstate Environmental Health Seminar. Cumberland Falls State Resort Park, KY, July, 2015.

Thoroughman, D. Potential Impacts of HIV Outbreak in Scott County Indiana to Kentucky. Kentucky Health and Medical Policy Advisory Committee. Versailles, KY, July, 2015

Thoroughman, D. Confronting Ebola in Liberia, West Africa: A Public Health Crisis. Association of Food and Drug Officials (AFDO), 119th Annual Educational Conference. Indianapolis, IN, June, 2015

Thoroughman, D. Measles Immunity for Healthcare Personnel. Public Health Nursing ITV presentation. Frankfort, KY, April, 2015.

Thoroughman, D. Confronting Ebola in Liberia, West Africa: A Public Health Crisis. Community Presentation – Williamstown Christian Church. Williamstown, KY, March, 2015.

Thoroughman, D. Confronting Ebola in Liberia, West Africa: A Public Health Crisis. Kentucky Association of Milk, Food and Environmental Sanitarians (KAMFES) Annual Conference. Lexington, KY, February, 2015.

Thoroughman, D. 2014 Ebola Virus Outbreak: West Africa. Winchester/Clark County Rotary Club. Winchester, Kentucky, January, 2015.

Thoroughman, D. Basics of Epidemiology. Residents in Family Medicine Luncheon. St. Elizabeth Medical Center, Erlanger, Kentucky, December, 2014.

Thoroughman, D. 2014 Ebola Virus Outbreak: West Africa. Nicholasville Rotary Club. Jessamine County, Kentucky, November, 2014.

Thoroughman, D. Ebola Virus Outbreak: West Africa. Kentucky Pharmacy Association, Mid-Year Conference. Lexington, KY, November 15, 2014

Thoroughman, D. 2014 Ebola Virus Outbreak: West Africa and Beyond. Kentucky Magistrates & Commissioners Association. Frankfort, KY, November, 2014.

Thoroughman, D. Confronting Ebola and other public health Crises: Perspective from a Career Epidemiology Field Officer. University of Kentucky College of Public Health Grand Rounds. Lexington, KY, October, 2014.

Thoroughman, D. Ebola – 2014 Ebola Outbreak. DPH Brown Bag Presentation. Kentucky Department for Public Health. Frankfort, KY, October, 2014.

Thoroughman, D., 2014 Ebola Virus Outbreak: West Africa. DPH Data Users Workgroup Presentation. Kentucky Department for Public Health. Frankfort, KY, October, 2014.

Thoroughman, D. Ebola Virus Outbreak: West Africa. Public Health Nurse ITV Presentation (statewide). Frankfort, KY, October, 2014.

Thoroughman, D. 2014 Ebola Virus Outbreak: West Africa. Williamstown Women's Club Meeting. Dry Ridge, KY, October, 2014.

Thoroughman, D. 2014 Ebola Virus Outbreak: West Africa. University of Kentucky Combined School of Medicine and School of Pathology Grand Rounds. Lexington, KY, September, 2014

Thoroughman, D. Ebola Virus Disease: Where Did It Come From and Where Is It Going? Advanced Practiced Registered Nurse Annual Conference. My Old Kentucky Home State Park. Bardstown, KY, September, 2014

Thoroughman, D. Emerging Infectious Diseases. Fall Infectious Disease Control Luncheon. Northern Kentucky Independent District Health Department. Florence, KY, September, 2014

Thoroughman, D. Ebola Virus Outbreak – Liberia, 2014. Mamba Point Hotel Presentation to Staff and Management. Monrovia, Montserrado County, Liberia, West Africa, September, 2014

Thoroughman, D. Ebola Virus Outbreak – Liberia, 2014. Kakata Radio Broadcasters Outreach Presentation. Margibi County Government Building. Kakata, Margibi County, Liberia, West Africa. August, 2014

Thoroughman, D. (Moderator). Surveillance during Disasters: Innovations in the Use of Technology and Tools Session. CSTE Disaster Epidemiology Workshop. Atlanta, GA, May, 2014.

Thoroughman, D. Leadership in the World. Keynote Address – Oldham County High School Honor Society Induction Ceremony. Buckner, KY, November, 2013.

Thoroughman, D., The Basics of Epidemiology and Outbreak Investigation. Infection Prevention and Control: The Ultimate in Multidisciplinary Teamwork – In-State IP Conference. Somerset, KY, September, 2013.

Thoroughman, D. Medical Needs Disaster Response Preparedness in Kentucky. Diabetes 911: Disaster Preparedness and Immunization Planning, Medical Reserve Corps Conference. Owensboro, KY, July, 2013

Thoroughman, D. Multi-State Fungal Infection Outbreak – Kentucky Connection. HSOPAC Webinar for officers. Online, June, 2013.

Thoroughman, D. Multi-State Fungal Infection Investigation. Epi Rapid Response Team Annual Conference. Versailles, KY, May, 2013

Thoroughman, D. Multi-State Fungal Infection Investigation. Kentucky Public Health Association Annual Meeting. Louisville, KY, March, 2013.

Thoroughman, D. Epidemiology and Environmental Health – Outbreaks Involving EH Exposures. Eastern Kentucky University Environmental Health Symposium. Richmond, KY, March, 2013

Thoroughman, D. Fungal Meningitis Outbreak. KY DPH Data Users Workgroup presentation. Frankfort, KY, March, 2013.

Thoroughman, D. Finding the Source, Tracking the Exposure - LCMV in Kentucky. CDC's Selected Zoonotic Diseases Conference Call. February, 2013.

Thoroughman, D., Lymphocytic Choriomeningitis Virus (LCMV) Response. KY DPH Data Users Workgroup presentation. Frankfort, KY, December, 2012

Thoroughman, D., The Basics of Epidemiology and Outbreak Investigation. Infection Prevention and Control in Kentucky: Competent Practice – In-State IP Conference. Somerset, KY, December, 2012.

Thoroughman, D. On the Fly Injury Surveillance: Tracking Injuries in a Kentucky Tornado Outbreak. Kentucky State Trauma Symposium. Lexington, KY, October, 2012.

Thoroughman, D. Gastrointestinal Outbreak at a Kentucky Youth Basketball Tournament February 2012. Epi Rapid Response Team Annual Conference. Versailles, KY, July, 2012

Thoroughman, D. Severe Weather Event Public Health Response: Kentucky's Experience. Council of State and Territorial Epidemiologists Annual Conference. Omaha, NE, June 2012.

Thoroughman, D, Humbaugh, K, Brawley, R, Green, S, Sands, F, Sugg TJ, Taylor, D, Mahajan, R, Nielson, C, Hocevar, S, Kuehnert, M. Transmission of Hepatitis C Infection Via Organ Transplantation, Kentucky, 2011. Council of State and Territorial Epidemiologists Annual Conference. Omaha, NE, June 2012.

Thoroughman, D. Bolstering Epidemiology Capacity and Public Health Preparedness Capabilities: A review of the Career Epidemiology Field Officer (CEFO) Program. Council of State and Territorial Epidemiologists Annual

Conference. Omaha, NE, June 2012.

Thoroughman, D. Building Epidemiologic Capacity in Kentucky: Collaboration and Communication, 2005-2011. Council of State and Territorial Epidemiologists Annual Conference. Omaha, NE, June 2012.

Mahajan, R, Hocevar, S, Kuehnert, MJ, Holmberg, SD, *Thoroughman, D*, Marvin, MR. Transmission of Hepatitis C Virus through Transplanted Organs and Tissues – Kentucky and Massachusetts, 2011 (Poster). 2012 American Transplant Congress (ATC). Boston, MA, June 2012.

Thoroughman, D. Use of CASPER Rapid Needs Assessment Methodology in Non-Disaster Settings to Increase Preparedness and Response Capability – Kentucky’s Experience. 2012 Public Health Preparedness Summit. Anaheim, CA, February, 2012.

Thoroughman, DA. Zamfara State Lead Poisoning, 2010. Kentucky Association of Milk, Food and Environmental Sanitarians (KAMFES)/Kentucky Onsite Wastewater Association (KOWA) Joint Conference. Lexington, KY, February, 2012.

Thoroughman, D, Kolwaite, A, Riggs, M, Hoo, E, Fleischauer, A. Use of CASPER Rapid Needs Assessment Methodology in Non-Disaster Settings to Increase Preparedness and Response Capability – Kentucky’s Experience. 2012 PHP Summit. Anaheim, CA, February, 2012.

Thoroughman, DA. Neri, A. Responding to a Lead Poisoning Outbreak in Zamfara State, Nigeria. 2011 Commissioned Officer Foundation Scientific and Training Symposium. New Orleans, LA, June 2011.

Galloway, J (RADM), McGuinness, K, *Thoroughman, DA*, Riggs, MA, Beck, D. The Role of Scientist Officers in Deploying for Disasters. Scientist Officer Category Day Panel presentation. 2011 Commissioned Officer Foundation Scientific and Training Symposium. New Orleans, LA, June 2011.

Thoroughman, DA. CASPER: The Kentucky Experience and Future Directions. Epi Rapid Response Team Annual Conference. Versailles, KY, June, 2011.

Thoroughman, DA. Nigerian Acute Lead Poisoning, 2010, Epi Rapid Response Team Annual Conference. Versailles, KY, June, 2011.

Kolwaite, A, *Thoroughman, DA.* Introduction to CASPER Survey Methodology. USPHS Response Team Training Mission – E. Kentucky. Prestonsburg, KY, June, 2011.

Thoroughman, DA. CASPER: The Kentucky Experience and Future Directions. Council of State and Territorial Epidemiologists Annual Disaster Epidemiology Conference. Atlanta, GA, May, 2011.

Thoroughman, DA. Zamfara State Lead Poisoning, 2010. Eastern Kentucky University Environmental Health Symposium. Richmond, KY, March, 2011.

Thoroughman, DA. Investigating and Responding to an Outbreak on an Indian Reservation and Lead Poisoning In Nigeria. Graduate Environmental Health Epidemiology and Risk Assessment Class. Eastern Kentucky University. Richmond, KY, March, 2011.

Thoroughman, DA. U.S. Public Health Service Response Teams, the 2011 National Level Exercise & KY USPHS Training Exercises. KY Cabinet for Health and Family Services, Division of Community Based Services Emergency Preparedness Workgroup Meeting. Frankfort, KY, March, 2011.

Thoroughman, DA, Zamfara State Lead Poisoning, 2010 - CDC October/November Response. KY Cabinet for Health and Family Services, Department for Public Health, Commissioner’s Medical Staff Meeting. Frankfort, KY, February, 2011.

Thoroughman, DA. Investigating and Responding to Shigella and Hepatitis A Outbreaks on an Indian Reservation. Graduate Environmental Health Epidemiology and Risk Assessment Class. Eastern Kentucky University. Richmond, KY, October, 2010.

Thoroughman, DA. The Building Epidemiological Capacity in Kentucky Initiative. Keynote Speaker: West Virginia Public Health Association Annual Meeting. Canaan Valley Resort, Davis, WV, September, 2010.

Thoroughman, DA. CDC 101, Roles, Partnerships and More. Current Issues in Public Health (Doctoral-level course). University of Kentucky, College of Public Health. Lexington, KY, September, 2010.

Thoroughman, Douglas A., Riggs, Margaret A. Poster Presentation: A Successful Model of Federal, State, and Local Collaboration in Disaster Response – the 2009 Kentucky Ice Storm. Council of State and Territorial Epidemiologists Annual Conference. Portland, OR. June, 2010.

Deokar, Angela, Thoroughman, Doug. Poster Presentation: Collaboration, Communication, and Surveillance: Strategic and Effective Responses to the 2009 Influenza A (H1N1) Pandemic in Kentucky. Council of State and Territorial Epidemiologists Annual Conference. Portland, OR. June, 2010.

Thoroughman, DA. Disaster Surveillance: Experiences and Lessons Learned, Kentucky Department for Public Health. Iowa Public Health Disaster Surveillance/CASPER Training. Des Moines, IA, May, 2010.

Thoroughman, DA. 2009 Kentucky Ice Storm: Community Rapid Needs Assessment. Iowa Public Health Disaster Surveillance/CASPER Training. Des Moines, IA, May, 2010.

Thoroughman, DA. Investigating and Responding to an Outbreak on an Indian Reservation. Graduate Environmental Health Epidemiology and Risk Assessment Class. Eastern Kentucky University. Richmond, KY, April, 2010.

Thoroughman, DA. Collecting Data in Disaster Situations. 2010 Public Health Preparedness Summit. Atlanta, GA, February, 2010.

Thoroughman, DA. The H1N1 Influenza Pandemic. EON Corp. Quarterly Safety Meeting, New Albany, IN, November, 2009.

Thoroughman, DA. The H1N1 Influenza Pandemic. SESC Educational Cooperative at ECU Principals' Meeting. London, KY, November, 2009.

Thoroughman, DA. Keynote Address: Pandemic Influenza and H1N1. Barren River District Health Department Faith-Based H1N1 Summit. Bowling Green, KY, September, 2009.

Thoroughman, DA. Novel H1N1 Influenza - Testing and Surveillance. Northern Kentucky H1N1 Summit. Florence, KY, September, 2009.

Thoroughman, DA. Pandemic Influenza and H1N1. USPHS OFRD Response Team Training (for #1 Teams). Fort A.P. Hill, Virginia, August, 2009.

Thoroughman, DA. Building Epi Capacity in Kentucky. BECKY Annual Meeting. Frankfort, KY, July, 2009.

Thoroughman, DA. Kentucky Department for Public Health – Disaster Experiences and Lessons Learned. CASPER/Disaster Surveillance Training. Frankfort, KY, July 2009.

Thoroughman, DA. The Role of Public Health in Disaster Response. CASPER/Disaster Surveillance Training. Frankfort, KY, July 2009.

Thoroughman, DA. Building Epidemiologic Capacity in a Time of Personnel and Budget Challenges, Kentucky, 2005-2008. Council of State and Territorial Epidemiologists Annual Conference. Buffalo, NY, June, 2009.

Thoroughman, DA, Riggs, MA. Hurricane Response in Kentucky: PHS Officers Answer the Call. Scientist Category Day, COF Scientific and Training Symposium. Atlanta, GA, June, 2009.

Thoroughman, DA, Noe, R. Tools for Disaster Data Collection Across Federal Response Teams: A Forum for Collaboration. COF Scientific and Training Symposium. Atlanta, GA, June, 2009.

- Thoroughman, DA.* Disaster Surveillance: Real-Life Examples from Recent Natural Disasters, The Kentucky Experience. Pre-Conference Workshop – COF Scientific and Training Symposium. Atlanta, GA, June, 2009.
- Thoroughman, DA.* Post-Disaster Data Collection Tool Kit: New CDC Initiative. 2009 Integrated Medical, Public Health, Preparedness and Response Training Summit. Dallas, TX, April, 2009.
- Thoroughman, DA.* Public Health Careers with CDC. University of Kentucky College of Public Health Brown Bag Series. Lexington, KY, March, 2009.
- Thoroughman, DA, Noe, R, Pettis, P.* Tools for Disaster Data Collection Across Federal Response Teams: A Forum for Collaboration. 2009 Public Health Preparedness Summit. San Diego, CA, February, 2009.
- Thoroughman, DA.* Careers in the Commissioned Corps of the U.S. Public Health Service and Building Epidemiologic Capacity in Kentucky. Graduate Global Health Class. Eastern Kentucky University. Richmond, KY. November, 2008.
- Thoroughman, DA.* Avian Influenza Rapid Response Team Training, Kentucky, 2007 – 2008. CDC/COTPER Seminar Series, Atlanta, GA, July 2008.
- Thoroughman, DA.* Riggs M. Public Health Nurse Use of GeoXT Handheld Data Collection Devices in a Disaster Situation. Statewide Quarterly PH Nurse Meeting via ITV, Frankfort, KY, June, 2008.
- Thoroughman, DA, Goode, B.* Avian Influenza Rapid Response Team Training: State and Local Perspectives. Council of State and Territorial Epidemiologists Annual Conference. Denver, CO. June, 2008.
- Thoroughman, DA.* Avian Influenza: Preparing Kentucky Together. Lake Cumberland District Health Department Avian Influenza Rapid Response Team Workshop. June, 2008.
- Thoroughman, DA.* Keynote address. University of Kentucky College of Public Health 2008 Graduate School Graduation Ceremony representing Corp, CDC, and Kentucky Department for Public Health. Lexington, KY, May, 2008.
- Thoroughman, DA.* Building Epidemiologic Preparedness in Kentucky. 2008 Public Health Preparedness Summit. Atlanta, GA, February, 2008.
- Thoroughman, DA.* Careers in the Commissioned Corps of the U.S. Public Health Service. Graduate Global Health Class. Eastern Kentucky University. Richmond, KY. September, 2007.
- Thoroughman, DA.* (Presentation and session moderator) The Multiple Personalities of a Career Epidemiology Field Officer. Scientist Category Day, 2007 USPHS Scientific and Training Symposium, June, 2007.
- Thoroughman, DA.* Careers in the Commissioned Corps of the US Public Health Service and Building Epidemiological Capacity in Kentucky. Brown Bag Presentation Series, Eastern Kentucky University Public Health Program, November, 2006.
- Spengler, SE, *Thoroughman, DA.* Preparing for an Influenza Pandemic. University of Kentucky Summer Institute on Aging, June, 2006.
- Thoroughman, DA.* Pandemic Influenza Planning and Response – Keynote Address. Kentucky Home Health Association Annual Conference, May, 2006.
- Thoroughman, DA.* KY Pandemic Influenza Preparedness Summits – Served as keynote speaker at five (10%) of Kentucky’s local health department pandemic influenza preparedness summits. Various locations across Kentucky, April – June, 2006.
- Thoroughman, DA.* Do you want to be an Epidemiologist? – Class session on what an epidemiologist does for 5 – 12 year-olds in a home school cooperative group. Williamstown, KY, January, 2006.
- Thoroughman, DA.* Kentucky’s Response to Hurricane Katrina and the San Antonio Evacuee Response to Hurricanes Katrina and Rita. Public Health Grand Rounds. University of Kentucky, Lexington, KY, November, 2005.

Thoroughman, DA. Syndromic Surveillance – What Is It and What Is Kentucky Doing? Public Health Practice Summit II, Lexington, KY, October, 2005.

Thoroughman, DA. Smallpox planning and Preparedness Update. *Numerous* (>30) presentations to Kentucky Statewide Bioterrorism Advisory Committee, Commissioner of Public Health's Division Staff, Regional Epidemiologists, Epi Rapid Responders, local health departments, Public Health Preparedness Planners and other community groups. Various locations across Kentucky, November, 2002 – June, 2005.

Thoroughman, DA. Hepatitis Research and Control Efforts in Alaska Natives and American Indians. Scientist Category Day, Commissioned Officers Association Annual Meeting, May, 2004.

Thoroughman, DA. COA Scientist Category Day Chief Professional Officer Introductory and Closing Remarks, and Category Report. Scientist Category Day, Commissioned Officers Association Annual Meeting, May, 2004.

Thoroughman, DA. Building Epidemiologic Capacity Through Emergency Preparedness in Kentucky. Highlighting CEFO Program for Dr. Julie Gerberding and CDC Leadership, CDC Senior Staff Meeting. March, 2004.

Thoroughman, DA, Hayes, JM. Centers for Disease Control & Prevention's Career Field Officer Program The State Experience, Commissioned Officers Association Annual Meeting, June, 2003.

Thoroughman, DA. Preparing for a Smallpox Event. Kentucky Association of Milk, Food & Environmental Sanitarians Annual Educational Conference, February 18, 2003.

Thoroughman, DA. Report and Recommendations of the IHS National Hepatitis C Workgroup. Indian Health Leadership Council Meeting. February, 2002.

Thoroughman, DA, Cheek, JE. Update on Hepatitis C. National Council of Clinical Directors/National Council of Chief Medical Officers Combined Conference. January, 2002.

Beck, L.F., *Thoroughman, DA.*, Thompson, N.J. Identification of a Sequential Model of Teenage Driving Behavior. SafeUSA Conference. December, 2001.

Cheek, J.E., *Thoroughman, DA.*, Leman, R. Infectious Disease Update. Indian Health Service Public Health Nurse Training Conference. August, 2001.

Thoroughman, DA. Report on Hepatitis A Vaccination Coverage in 3 - 6 Year-old Children Living on the Navajo Reservation, 2000. Navajo Nation IRB, July, 2001.

Thoroughman, DA. Update on IHS Hepatitis C Workgroup Activities. IHS Leadership Council Meeting. June, 2001.

Thoroughman, DA., Bertolli, J. Native American Issues in HCV/HIV Prevention. An Information Odyssey into HIV/HCV Prevention. June, 2001.

Thoroughman, DA. Update on IHS Hepatitis C Workgroup Activities. IHS Executive Leadership Group Meeting. May, 2001.

Williams, J., *Thoroughman, DA.* Hepatitis C Treatment Issues. 2001 - A Health Odyssey, Indian Health Service Annual Meeting of the Combined National Councils of Clinical Directors, Service Unit Directors, Chief Medical Officers, and Nurse Consultants. January/February, 2001.

Thoroughman, DA. Hepatitis B and C in Native American Communities and What IHS is Doing About it. Aberdeen Area STD, HIV and Hepatitis Conference. November, 2000.

Bialek, S., *Thoroughman, DA.*, Bell, B. HEP A rates among American Indians 1980-1996. 2000 COA Conference, June 2000.

Thoroughman, DA. Hepatitis Efforts in Indian Country. California Tribal Advisory Board Meeting, May, 2000.

Thoroughman, DA., Cheek, J.A., Bell, B. IHS Provider survey on hepatitis A. IHS Research Conference, April, 2000.

Thoroughman, DA. Hepatitis A and Hepatitis A Vaccine. Oral/Slide presentation. 19th Native American Child and Family Conference, March, 2000.

Thoroughman, DA., Taylor-Wilson, R., Takehara, J., Hunt, D. K., Doyle, T. J. Cheek, J. E., Golaz, A, Khetsuriani, N. Determining Vaccination Coverage in a Northern Plains Indian Community. Oral/Slide Presentation. Primary Presenter. National Immunization Conference, July 1998.

Thoroughman, DA., Cheek, J. E., Hunt, D. K., Matt, S. A., Darling, K. L. Control of a Hepatitis A Outbreak in an American Indian Population Using Hepatitis A Vaccine. Oral/Slide Presentation. Primary Presenter. National Immunization Conference, July 1998.

Thoroughman, DA., Hunt, D. K., Determining Vaccination Coverage in a Northern Plains Indian Community - Final Report to Pine Ridge Service Unit and Oglala Sioux Tribe. Oral/Slide Presentation. Primary Presenter. June, 1998.

Taylor-Wilson, R., Thoroughman, DA., Cheek, J. E., Hunt, D. K., Doyle, T. J., Takehara, J. Childhood Vaccination Coverage in a Northern Plains Indian Community -- Retrieving Reliable Information on Vaccination Status. Oral/Slide Presentation. Secondary Presenter. Indian Health Service Research Conference, April, 1998.

Thoroughman, DA., Cheek, J. E., Frederickson, D. Racial Misclassification of American Indians Oklahoma State STD Surveillance Data. Oral/Slide Presentation. Primary Presenter. Indian Health Service Research Conference, April, 1998.

Thoroughman, DA., Cheek, J. E., Hunt, D. K., Matt, S. A., Darling, K. L. Control of a Hepatitis A Outbreak in an American Indian Population Using Hepatitis A Vaccine. Oral/Slide Presentation. Primary Presenter. Indian Health Service Research Conference, April, 1998.

Thoroughman, DA., Cheek, J. E., Hunt, D. K., Matt, S. A. Control of a Hepatitis A Outbreak in an American Indian Population Using Hepatitis A Vaccine. Oral/Slide Presentation. Primary Presenter. 1998 Epidemic Intelligence Service Conference, April, 1998.

Thoroughman, DA. Control of a Hepatitis A Outbreak Among an American Indian Population using Hepatitis A Vaccine. Oral/Slide Presentation. Western Regional EIS Conference. March, 1998.

Thoroughman, DA., Lopez, R., Matt, S. A., Rumley, D. W. Report on Hepatitis A Vaccination Campaign. Primary Presenter. Tohono O'odham Nation Tribal Council Meeting. April, 1997.

Thoroughman, DA., Cheek, J. E., Shelby, L. K. Racial Misclassification of American Indians Within Oklahoma State Chlamydia Surveillance System. Oral/Slide Presentation. Primary Presenter. Oklahoma State Health Department. February, 1997.

Thoroughman, DA., Lopez, R., Matt, S. A. Initial Report on Shigella Outbreak with Public Health Recommendations. Primary Presenter. Tohono O'odham Nation Tribal Council Meeting. January, 1997.

Thoroughman, DA., Cheek, J. E. Epidemiology Computer Simulation Training - Pharyngitis in Louisiana. Indian Health Service - Teacher for beginning Sanitarian Training Course. October, 1996, March, 1998.

Thoroughman, DA. Surveillance of Chlamydia Among American Indians in Oklahoma. Oral/Slide Presentation. Epidemiology Grand Rounds, Centers for Disease Control and Prevention. September, 1996.

Non-PHS

Thoroughman, DA., Thompson, N. J. Warm Springs Roosevelt Institute of Rehabilitation, Head and Spinal Injury Prevention Project Evaluation. Oral/Slide Presentation. Program Evaluation final report to Roosevelt Institute audience. May, 1997.

Thoroughman, DA., Boyle, C. C., Yeargin-Alsopp, M. Prevalence and Etiology of Postnatally-Acquired Developmental Disabilities in Children, Aged 3-10 Years, Metropolitan Atlanta - 1991. Oral/Slide Presentation. Maternal, Infant, and Child Health Epidemiology Workshop. December, 1996.

Thoroughman, DA., Thompson, N. J. Evaluation of a Head and Spinal Injury Prevention Project for Adolescents. Poster

Presentation, Presenter. American Public Health Association 124th Annual Meeting. November, 1996.

Thoroughman, DA., Boyle, C. C., Yeargin-Alsopp, M. Prevalence and Etiology of Postnatally-Acquired Developmental Disabilities in Children, Ages 3-10, Metropolitan Atlanta - 1991. Poster Presentation, Presenter. Society for Pediatric Epidemiologic Research, Ninth Annual Meeting. June, 1996.

Hudgins, R. H., *Thoroughman, DA.* Children First: Identifying Children at Risk for Negative Public Health Outcomes in Georgia. Poster Presentation, Co-presenter. Zero to Three Annual Conference. October, 1995.