May 2019

# Brief Curriculum Vita

# Suzanne (Sue) Binder, M.D.

## Overview

Dr. Sue Binder is a physician who has dedicated herself to the advancement of the public’s health. Her career includes 20 years at the Centers for Disease Control and Prevention (CDC) of the U.S. Department of Health and Human Services, where she held leadership positions in injury and violence prevention, prevention and control of infectious diseases, and environmental health. Since retiring from CDC in 2004, she has worked as a consultant on a range of academic and public health programs. She has been integral to the establishment of a University Center for Excellence in Developmental Disabilities and the National SafeCare® Training and Research Center, both at Georgia State University, and the Schistosomiasis Consortium for Operational Research and Evaluation at the University of Georgia. She continues to work with several groups in Emory University’s Global Health Institute. Her areas of expertise include public health program development and implementation, strategic planning, and development of national public health capacity in low-resource countries.

## Contact Information

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## Employment History

### Sue Binder Consulting, Inc., President, 2004-

Clients and positions have included

* Task Force for Global Health, Decatur, GA
  + Consultant for Global Partnership for Zero Leprosy (2018)
  + Consultant for the Task Force leadership retreat (2018)
* Gates Foundation, Seattle, WA –Consultant for “Getting Schistosomiasis out of the Red” (2018)
* Centers for Disease Control and Prevention (CDC), Atlanta, GA
  + Office of Surveillance, Epidemiology, and Laboratory Services – Consultant and Facilitator (2013)
  + Office of the Deputy Director for Infectious Diseases – Consultant and Facilitator (2013)
  + National Center for Zoonotic, Enteric, and Vector-borne Diseases – Consultant and Facilitator (2008-2009)
* University of Georgia, Athens, GA – Special Assistant to the Director, Schistosomiasis Consortium on Research and Evaluation (2008- )
* Georgia State University, Atlanta, GA
  + Center for Healthy Development – Special Assistant for Program Strategy and Planning

(2008-2013)

* + Institute for Public Health – Consultant and Facilitator (2006)
* Emory University, Atlanta, GA
  + Consultant on the future of the Emory Global Health Institute (2019)
  + Senior Advisor for Public Health Practice to the US Office of the International Association of National Public Health Institutes (IANPHI) (2006- )
* Marcus Institute, Atlanta, GA – Special Assistant for Program Strategy and Planning (2006-2008)
* East School, Portland, ME – Executive Coach (2006-2008)
* Home Safety Council, Washington DC – Consultant and Facilitator (2006)
* Prevent Institute, University of North Carolina, Chapel Hill, NC – Public Health Coach (2005)
* Juvenile Justice Fund, Atlanta, GA – Consultant and Facilitator (2005-2006)
* The Galloway School, Atlanta, GA – Substitute Teacher (2005, 2006)
* Healthcare Georgia Foundation, Atlanta, GA – Grant Reviewer (2004, 2006), Consultant on Trauma Systems (2006)
* Alston & Bird, LLP, Atlanta, GA – Environmental Public Health Consultant (2004)
* Southwire Company, Carrollton, GA – Environmental Public Health Consultant (2004)

### Centers for Disease Control and Prevention (CDC)—1984-2004

Retired from the U.S. Public Health Service (USPHS) as Captain (O-6).

#### Director, National Center for Injury Prevention and Control—2000-July 2004

Provided leadership for public health efforts to prevent unintentional injuries (for example, from car crashes and fires) and violence in the United States and internationally.

Directed a 250-person organization with a $154 million annual budget.

#### Associate Director for Medical Science, Division of Parasitic Diseases, National Center for Infectious Diseases (NCID)—1995-2000

Provided scientific and management oversight for a 240-person division, including field stations in Kenya and Guatemala.

Spearheaded development of *Preventing Emerging Infectious Diseases: A Strategy for the 21st Century* (published November 1998), which described CDC’s approach to addressing this public health problem.

#### Assistant Director for Prevention, Division of Environmental Hazards and Health Effects (DEHHE), National Center for Environmental Health (NCEH)—1995

Provided scientific and public health leadership for CDC’s work to reduce public health consequences of environmental exposures.

#### Chief, Lead Poisoning Prevention Branch, DEHHE, NCEH—1990-1995

Provided leadership for the United States for childhood lead poisoning prevention.

Directed a branch with over 30 staff and increased the budget from $4 million in FY 1990 to nearly $35 million in FY 1994. This funding supported 37 childhood lead poisoning prevention programs, which screened 1.5 million children in 1994 and identified 350,000 children with high levels.

#### Medical Epidemiologist, Lead Poisoning Prevention Activity, DEHHE, NCEH—1989-1990

Developed the Lead Poisoning Prevention Branch, including a grant program to state and local agencies, a research program, and surveillance.

#### Medical Epidemiologist, Acute and Natural Hazards Studies Section, Health Studies Branch, DEHHE, NCEH (Acting Section Chief 3/87-8/87)—1986-1989

Conducted and oversaw research and surveillance related to disasters.

#### Epidemic Intelligence Service Officer and Medical Epidemiologist, Special Studies Branch, DEHHE, NCEH—1984-1986

Conducted epidemiologic studies, e.g., documented arsenic exposure among children living in Mill Creek, Montana, which resulted in relocation of people in that community, and completed a landmark study on how much soil children actually ingest, which resulted in major changes in environmental remediation decisions in communities throughout the U.S.

### Tufts-New England Medical Center, Internship and Residency in Internal Medicine—1981-1984

* Provided patient care.

### Tufts-New England Medical Center, Research Assistant—1978

* Conducted dietary evaluations of the relationships between nutrition and cancer.

### McGill University, Research Assistant—1975-1976

* Assisted in the study of cochlear nerve responses to auditory stimuli.

## Education

1977 - 1981 MD, Tufts University School of Medicine, Boston, MA

1972 - 1976 BS, McGill University, Montreal, Quebec, Canada

## Professional Credentials

1985 Georgia Medical License

1984 Board Certification in Internal Medicine

1982 Massachusetts Medical License (inactive)

## Academic Appointments

2013 - Affiliated Faculty, Institute of Public Health (IPH), Georgia State University (GSU), Atlanta, GA

2009 - 2013 Adjunct Professor, IPH, GSU, Atlanta, GA

2008 - 2011 Adjunct Professor, Department of Environmental and Occupational Health, Rollins School of Public Health, Emory University, Atlanta, GA

2007 - Adjunct Professor, Hubert Department of Global Health, Rollins School of Public Health, Emory University, Atlanta, GA

1997 - 2003 Clinical Assistant Professor of Medicine, Emory University Medical School, Atlanta, GA

1989 ‑ 1993 Clinical Assistant Professor of Community Health, Emory University Medical School, Atlanta, GA

## Selected Awards and Honors

1. USPHS Distinguished Service Medal
2. William C. Watson Medal of Excellence from the CDC Watsonian Society
3. Service Award from the Injury Control and Emergency Health Services Section of the American Public Health Association

2004 Outstanding Achievement Award from National Alliance to End Sexual Violence

2004 William S. Stone Award from the American Trauma Society

2003 State and Territorial Injury Prevention Directors Association Vision Award

2002 Family Violence Prevention Fund Award to NCIPC for partnership

2001 Department of Health and Human Services (HHS) Secretary's Award for Distinguished Service

1992 New Jersey Interagency Task Force on Lead "STAR" Award

1991 Arthur S. Flemming Award

1981 Martin J. Loeb Memorial Prize in Medicine

1978 Annie McIntosh Prize for Excellence in Sciences

## Selected Publications

*Journal Articles*

Kittur N, King CH, Campbell C, Kinung’hi S, Mwinzi P, Karanja D, N’Goran E, Phillips A, Guimarães P, Olsen, A, Magnusssen P, Secor WE, Montgomery S, Utzinger J, Walker J, Binder S, Colley D. Persistent hotspots in SCORE studies for gaining and sustaining control of schistosomiasis after four years of mass drug administration of praziquantel. Am J Trop Med Hyg 2019 (in press).

Barzilay EJ, Vandi H, Binder S, et al. Use of the Staged Development Tool for assessment, planning, and measurement of progress in the development of National Public Health Institutes. Health Security 2018 https://doi.org/10.1089/hs.2018.0044.

Clements M, Corstjens LAM, Binder S, et al. Latent class analysis to evaluate performance of point-of-care CCA for low-intensity *Schistosoma mansoni* infections in Burundi. Parasit Vectors 2018:11;111. <https://doi.org/10.1186/s13071-018-2700-4>.

Shen Y, King CH, Binder S, et al. Protocol and baseline data for a multi-year cohort study of the effects of different mass drug treatment approaches on functional morbidities from schistosomiasis in four African countries. BMC Infect Dis 2017 DOI: 10.1186/s12879-017-2738-5.

Kittur N, Binder S, Campbell C, et al. Defining persistent hotspots: Areas that fail to decrease meaningfully in prevalence after multiple years of mass drug administration with praziquantel for control of schistosomiasis. Am J Trop Med Hyg 2017:97(6);1810-7.

Musuva R, Shen Y, Wei Xianjue, Binder S, et al. Change in children's school behavior after mass administration of praziquantel for Schistosoma mansoni infection in endemic areas of western Kenya: A pilot study using the Behavioral Assessment System for Children (BASC-2). PLOS ONE 2017 https://doi.org/10.1371/journal.pone.0181975.

Ortu G, Ndayishimiye O, Clements M, Kayugi D, Campbell C, Lamine M, Zivieri A, Magalhaes R, Binder S, et al. Countrywide reassessment of *Schistosoma mansoni* infection in Burundi using a urine circulating cathodic antigen (CCA) rapid test: Informing the national control program. Am J Trop Med Hyg 2017:96(3);664-73.

Ezeamama AE, Chun-La H; Shen Y, Yin, X, Binder S, et al. Gaining and sustaining schistosomiasis control: study protocol and baseline data prior to different treatment strategies in five African countries. BMC Infect Dis 2016:16;229.

Colley D, Binder S, Campbell C, et al. A five-country evaluation of a point-of-care circulating cathodic antigen urine assay for the prevalence of *Schistosomiasis mansoni.* Am J Trop Med Hyg 2013;88(3):426-32.

Self-Brown S, Frederick K, Binder S, Whitaker D, Lutzker J, Edwards A, Blankenship J. Examining the need for cultural adaptations to an evidence-based parent training program targeting child maltreatment prevention. Children and Youth Services Review 2011:33;1166-72.

Binder S, Lutzker JR, Whitaker DJ, Self-Brown SR, Ryan KA, Joe KF. SafeCare: Partnerships to Implement and disseminate an evidence-based model to prevent child maltreatment. Protecting Children 2010:25;24-38.

Binder S, Adigun L, Dusenbury C, Greenspan A, Tanhuanpää P. National Public Health Institutes: contributing to the public good. J Public Health Policy 2008:29;3-21.

Binder S, Corrigan JD, Langlois JA. The public health approach to traumatic brain injury: an overview of CDC’s research and programs. J Head Trauma Rehab 2005:20;189-95.

Binder S, Runge J. Road safety and public health: a U.S. perspective and the global challenge. Inj Prev 2004;10:68-9.

Doll L, Binder S. Injury prevention research at the Centers for Disease Control and Prevention. Am J Public Health 2004;94:522-4.

Doll L, Bartenfeld T, Binder S. Evaluation of interventions to prevent and control injuries. Epidemiol Rev 2003;25:51-7.

Binder S. Injuries among older adults: the challenge of optimizing safety and minimizing unintended consequences. Inj Prev 2002;8(Supp):iv2-iv4.

Hunter PR, Colford JM, LeChevallier MW, Binder S, Berger PS. Waterborne Diseases. Emerg Inf Dis 2001; 7 (3 Suppl); 544.

Binder S, Levitt A, Sacks J, Hughes J. Emerging infectious diseases: public health issues as we enter the 21st Century. Science 1999;284:1311-3.

Binder S, Leavitt AM, Hughes JM. Preventing emerging infectious diseases as we enter the 21st century. Public Health Rep 1999;114:130-4.

Binder S, Khabbaz R, Swaminathan B, et al. The national food safety initiative. Emerg Infect Dis 1988;4:347-51.

Binder S, Matte T, Kresnow M, Houston B, Sacks J. Proportions of children and homes tested for lead: results of a national telephone survey. Public Health Rep 1996;111:342-6.

Staes C, Matte T, Staeling N, Rosenblum L, Binder S. Lead poisoning deaths in the United States, 1979 through 1988. JAMA 1995;273:848-9 (L).

Binder S, Matte T. Childhood lead poisoning: the impact of prevention. JAMA 1993;269:1679-81.

NcElvaine MD, Matte TD, Binder S, DeUngria EG. Prevalence of radiographic evidence of pain chip ingestion among children with moderate to severe lead poisoning, St. Louis, Missouri, 1989 through 1990. Pediatrics 1992;89:740-2.

McElvaine MD, Orbach HG, Binder S, et al. Evaluation of the erythrocyte protoporphyrin test as a screen for elevated blood lead levels. J Pediatrics. 1991;119:548-50.

Binder S. Deaths, injuries, and evacuations from acute hazardous materials releases. Am J Public Health 1989;79:1042‑4.

Hill RH, To T, Holler JS, Fast DM, Smith SJ, Needham LL, Binder S. Residues of chlorinated phenols and phenoxy acid herbicides in the urine of Arkansas children. Arch Environ Contam Toxicol 1989;18:469‑74.

Binder S, Sanderson LM. The role of the epidemiologist in natural disasters. Ann Emerg Med 1987;16:1081-4.

Duclos P, Sanderson L, Thompson FE, Brackin B, Binder S. Community evacuation following a chlorine release, Mississippi. Disasters 1987. https://doi.org/10.1111/j.1467-7717.1987.tb00651.x

Binder S, Sokal D, Maughan M. Estimating soil ingestion: the use of tracer elements in estimating the amount of soil ingested by young children. Arch Environ Health 1986;41:341‑5.

*Books and Book Chapters*

Binder S. CDC's perspective in preventing lead poisoning in young children. In: Breen JJ, Stroup S, eds. Lead poisoning in children: exposure, abatement and program issues. Washington, D.C.: Lewis Publishers, 1994.

Melius J, Binder S. Industrial incidents. In: Gregg MB, French J, Binder S, eds. The public health consequences of disasters. Washington, D.C.: Government Printing Office, 1989;97‑102.

Gregg MB, French J, Binder S, eds. The public health consequences of disasters. Washington, D.C.: Government Printing Office, 1989.

Guidotti TL, Binder S, Stratton JW, Schecter FG. Clove cigarettes: development of the fad and evidence for health effects. In: Hollinger MA, ed. Current topics in pulmonary pharmacology and toxicology. New York: Elsevier Press, 1987:1‑23.

*National Reports and Guidelines Issued by CDC*

Binder S, Levitt AM. Preventing Emerging Infectious Diseases: A Strategy for the 21st Century. November 1998.

Briss P, Schwartz J, Matte TD, Rosenbaum, LS, Binder S. Costs and benefits of a universal screening program for elevated blood lead levels in 1-year-old-children. 1997.

Binder S, Falk H. Strategic plan for the elimination of childhood lead poisoning. 1991.

Roper WL, Houk VN, Falk H, Binder S. Preventing lead poisoning in young children: a statement by the Centers for Disease Control, October 1991.

## Research and Program Development Support

*Child Health and Mortality Prevention Surveillance.* PI: Breiman, 2015-2024. Funding from the Bill & Melinda Gates Foundation (BMGF) to Emory University. Role: Consultant

* Aims to increase understanding of how, where and why children are getting sick, enabling scientists and public health leaders around the world to take action

*International Association of National Public Health Institutes.* PI: Koplan, 2013-2019. Funding from CDC to Emory University. Role: Consultant

* Supports the development of the International Association of National Public Health Institutes and the establishment of public health agencies in low-resource countries

*Prevent Child Abuse America GA*. PI: Lutzker, 2012-2013. Funding from the Georgia Governor’s Office for Children and Families to Georgia State University (GSU). Role: Consultant

* Establishes the state Prevention Child Abuse America chapter at GSU

*Improving Public Health through National Public Health Institutes (NPHIs).* PI: Koplan, 2011-2017. Funding from the Bill & Melinda Gates Foundation (BMGF) to Emory University. Role: Consultant

* Supports the development of national public health infrastructure in low-resource countries

*Evaluation and Dissemination of Parents as Teachers + SafeCare to Improve Outcomes for High Risk Families.* PI: Lutzker, 2011-2015. Funding from the Annie E. Casey Foundation to GSU. Role: Consultant

* Provides for integration of two evidence-based programs and evaluation of their combined impact

*University Centers for Excellence in Developmental Disabilities, Education, Research and Service* (90DD0662). PI: Crimmins, 2009-2014. Funding from the Administration on Developmental Disabilities to GSU. Role: Consultant

* Establishes a University Center of Excellence in Developmental Disabilities at GSU

*Addressing Disparities in LTSAE* (Subcontract agreement No. 442 under cooperative agreement No. 811), PI: Crimmins, 2009-2010. Funding from the Association of University Centers on Developmental Disabilities to GSU. Role: Consultant

* Evaluates incorporation of the CDC’s Learn the Signs/Act Early campaign into a home visiting program

*Disability Partnership: Center for Healthy Development at Georgia State University and the Satcher Health Leadership Institute at the Morehouse School of Medicine* (Grant no. 90DD066401). PI: Crimmins, 2009-2012. Funding from the Administration for Developmental Disabilities to GSU. Role: Consultant

* Develops a partnership between GSU and Morehouse School of Medicine for post-graduate training, research, education, and dissemination activities related to disabilities, with a goal to increase minority professional participation

*Services and Supports for Children at Risk: Intervening Early to Prevent Juvenile Delinquency and Other Adverse Outcomes* (2008-JL-FX-K873). PI: Whitaker, 2009-2011. Funding from the Office of Juvenile Justice and Delinquency Prevention to GSU. Role: Consultant

* Supports a range of development and evaluation activities related to child maltreatment prevention and improving outcomes related to developmental disabilities

*Implementing SafeCare to Prevent Child Maltreatment: A Study of Training Models (*1R18CE001733-01)*.* PI: Whitaker, 2008-2011. Funding from the CDC to GSU. Role: Consultant

* Supports research on different training and coaching models for SafeCare implementation

*Schistosomiasis Consortium for Operational Research and Evaluation*. PI: Colley, 2008-2020. Funding from BMGF to University of Georgia. Role: Consultant

* Supports development of a global consortium for operational research on schistosomiasis

*The National SafeCare Training and Research Center*. PI: Lutzker, 2007–2010. Funding from the Doris Duke Charitable Foundation to GSU. Role: Consultant

* Establishes the National SafeCare Training and Research Center

*International Association of National Public Health Institutes.* PIs: Koplan, Puska, 2006-2012. Funding from BMGF to Emory University. Role: Consultant

* Supports the development of the International Association of National Public Health Institutes and the establishment of public health agencies in low-resource countries