

**AMY HELENE SCHNALL DRPH**  
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## SUMMARY

Experienced public health leader with over fifteen years of expertise environmental health, epidemiology, research, assessments, and surveillance. Proven track record in leadership roles at the Centers for Disease Control and Prevention (CDC), managing high-performance teams, disaster response, and collaborating with a wide range of partners, including federal, state, local, tribal, and territorial governmental agencies; academic institutions; NGOs; companies; and international agencies. Adept at forging partnerships, securing funding, and driving disaster preparedness and response capabilities and research. Strong leadership in high-pressure environments, with the ability to make informed decisions quickly and efficiently. Exceptional organizational skills ensure the seamless execution of complex projects, driving critical actions with precision and foresight.

## KEY STRENGTHS

Strategic Leadership & Vision	Program Design & Implementation	Team Building
Research & Data Translation	Partner Engagement	Budget & Program Management
Workforce Development	Communications & Public Speaking	Health Equity & Social Justice
Results-Driven Execution	Exceptional Organizational Skills	Mentorship

## WORK EXPERIENCE

### CDC National Center for Environmental Health

*Chief, Disaster Epidemiology Unit*

*July 2020–June 2025*

Led critical programs to enhance national preparedness and response to natural and human-induced disasters, managing a high-performance team of professionals, including medical toxicologists, epidemiologists, data analysts, and fellows.

- Secured essential funding and forged strategic partnerships with organizations such as the American Red Cross, America's Poison Centers, and Health Canada. Drafted 5-year Notice of Funding Opportunity's (NOFOs) and Statements of Work (SOWs) to justify sole source contracting to help reduce costs, streamline process, and align with long-term goals.
- Led and managed multiple high-impact research projects (e.g., disaster preparedness, emergency supply kit efficacy, environmental exposures) from concept development to execution, including formulating innovative project ideas, developing detailed research proposals, and securing necessary approvals (e.g., IRB, OMB), ultimately delivering research outcomes that contributed to advancing public health knowledge and disaster preparedness strategies.
- Led the [Community Assessment for Public Health Emergency Response \(CASPER\)](#) and alternative Rapid Needs Assessment (RNA) programs, developing novel methodologies and guidance documents, providing technical assistance to over 150 requesting jurisdictions, leading field teams, and developing innovative communication strategies to ensure effective evaluation of community health needs.
- Led CDC's [National Chemical Radiation Surveillance Program \(NCRSP\)](#) managing a ~\$4M cooperative agreement with America's Poison Centers. Directed project management, internal/external coordination, and data analysis to monitor and mitigate public health threats including chemical and radiological exposures, emerging drug threats, and crises (e.g., lead and chromium in apple sauce, Diamond Shroomz outbreak). Created and implemented innovative projects and strategies to advance the field of toxicosurveillance and improve response to natural disasters and emerging hazards.
- Directed data-driven response efforts as the lead of the Epidemiology and Surveillance Task Force for all environmental disasters ensuring timely data for evidence-based actions and providing subject matter expertise (SME) in high-pressure situations. Secured over \$2M in disaster supplemental funding through rapid proposal development, meeting 24-hour turnaround deadlines and exceeding project timelines.

- Developed and led CDC's domestic and international Disaster Epidemiology training program, empowering over 1,000 global public health professionals to improve disaster preparedness, response, and recovery epidemiology capabilities.
- Leveraged extensive experience in public speaking, media relations, and scientific dissemination by delivering over 50 presentations and panels at major national and international conferences; writing ~35 reports and journal articles; developing tailored communication materials for media, social platforms, and partners; and consistently improving public-facing content to enhance clarity and reach.
- Provided expert technical guidance to state, local, tribal, and territorial health departments, building local capacity and supporting effective public health responses; deployed to disaster sites to offer on-the-ground leadership, focusing on evidence-based decision-making, fostering collaboration, and ensuring the timely delivery of data to enhance public health resilience.

## Emory University's Rollins School of Public Health

### *Adjunct Professor*

*August 2021–Present*

Founding member of the Emory DrPH Program Advisory Committee and adjunct professor. Develop and teach courses, provide strategic input, create engaging curricula, and mentor students to enhance their leadership, decision-making, and public health skills.

- Provide strategic input on the DrPH program's mission, vision, and structure to enhance its development and success, particularly in its inaugural year.
- Develop a new course on Effective Strategies in Disaster Preparedness and Response, focusing on leadership, management skills, and best practices for leading and coordinating disaster response efforts. This course will empower students to manage complex, high-stress situations while demonstrating strong leadership and decision-making abilities.
- Co-teach a Masters-level course on the Public Health Consequences of Disasters, leading discussions, analyzing case studies, and grading assignments to promote student growth. Organize guest lectures from SMEs, while continuously improving course effectiveness through feedback and self-reflection.

## CDC National Center for Environmental Health

### *Epidemiologist*

*September 2015–July 2020*

Led key initiatives and programs on the Disaster Epidemiology and Response Team, managing multidisciplinary teams in the field, mentoring staff and fellows, and providing subject matter expertise in disaster epidemiology.

- Directed the NCRSP managing a ~\$1.2M cooperative agreement with America's Poison Centers, leading cross-functional coordination, and conducting data analysis to address public health threats, including chemical exposures, natural disasters, and emerging health crises.
- Provided disaster epidemiology expertise and training for state, tribal, local, and territorial agencies, leading assessments in scenarios like hurricanes, Zika virus, opioid crisis, and COVID-19
- Led field epidemiology and surveillance responses during major disasters (e.g., hurricanes, Flint Water Crisis), including leading the 2017 epidemiological response in the U.S. Virgin Islands, coordinating public health interventions, and developing strategic proposals.
- Modernized disaster response by spearheading innovative data collection and analysis systems with partners like the American Red Cross.
- Led epidemiological studies on key topics including disaster preparedness, public health impacts, and the efficacy of emergency supply kits, contributing valuable insights to the field that inform better disaster response strategies and public health practices.

## CDC Center for Global Health (Dar es Salaam, Tanzania)

### *Epidemiologist (on detail)*

*January 2019–May 2019*

Deployed as a subject matter expert through CDC's International Experience and Technical Assistance Program to strengthen global health security in Tanzania by enhancing surveillance, emergency preparedness, and workforce development while designing strategic frameworks, training programs, and operational plans to improve disease detection and response capabilities.

- Collaborated with the Ministry of Health, governmental sectors, NGOs, and implementing partners to enhancing surveillance systems, emergency preparedness, and workforce capacity.
- Led the development of National Integrated Disease Surveillance and Response (IDSR) event-based surveillance guidelines, significantly improving the country's surveillance capacity and response systems.
- Designed a comprehensive framework to enhance public health surveillance, improving data tools and systems for better data collection, reporting, and analysis across the health system.
- Directed the successful transition of surveillance activities from Kilimanjaro and Arusha regions to Kigoma and Tabora, expanding coverage and enhancing timely identification of health threats.
- Integrated Community-Based Surveillance into national guidelines and collaborated with partners to implement CBS effectively, setting the stage for new partnerships to enhance disease monitoring.
- Improved facility-based IDSR systems for more accurate and timely reporting at sub-national and national levels, promoting knowledge sharing, and motivating partners in disease detection and response
- Delivered comprehensive disaster epidemiology training for Tanzania's Field Epidemiology and Laboratory Training Program (FELTP) cohorts, preparing for potential Ebola outbreaks at the DRC border.
- Contributed to Ebola response measures such as the development of point-of-entry screening protocols and infection prevention and control measures and the creation of Emergency Operations Center protocols in Zanzibar and Kigoma.
- Developed a 5-year operational plan for emergency preparedness, integrated into Tanzania's country office report and funding initiatives.

## CDC National Center for Environmental Health

### *Associate Service Fellow*

*January 2011–September 2015*

Led public health response efforts, provided SME across all disaster phases, developed and delivered trainings, conducted scientific studies, and fostered cross-agency collaboration to improve resilience and decision-making in disaster scenarios as an epidemiologist on the Disaster Epidemiology and Response Team.

- Provided disaster epidemiology expertise, leading studies on public health impacts such as carbon monoxide exposure post-Hurricane Sandy and mortality following the 2011 Alabama Tornadoes.
- Led the CASPER program, advising on questionnaire development, data analysis, and strategy to support public health decisions, and guided Congressional grantees on post-Hurricane Sandy studies.
- Served as the Radiation SME, conducting radiation preparedness activities, developing epidemiologic forms, and presenting at major conferences.
- Provided epidemiology and surveillance expertise in Emergency Operations Centers and field deployments for CDC responses to disasters like Hurricanes Sandy and Irene, the Japanese Earthquake, and the Ebola response in Liberia, ensuring the timely delivery of critical data.
- Collaborated on disaster communication materials (fact sheets, infographics, marketing plans) to enhance public awareness and support response operations, while managing disaster epidemiology webpages and coordinating the Disaster Epidemiology Community of Practice (DECoP) workgroup to foster collaboration across federal and non-federal organizations.
- Developed and led disaster epidemiology training modules for health agencies and co-created the International Field Epidemiology Training Program (FETP) training Modules.
- Participated in cross-agency multisectoral committees (e.g., American Red Cross Surveillance Committee, CSTE Disaster Epidemiology Workgroup), to strengthen partnerships and enhance disaster preparedness.

## CDC National Center for Environmental Health

### *Epidemiologist (TKC Global Contractor)*

*October 2008–December 2010*

Specialized in disaster surveillance and response, with expertise in managing cross-agency collaborations, leading data analysis during major disasters, developing epidemiological tools, and enhancing preparedness through training, research, and partnerships, including coordinating the Disaster Surveillance Workgroup, leading disaster response analysis (e.g., American Samoa tsunami, Haiti earthquake, Deepwater Horizon Oil Spill), refining epidemiological tools, strengthening partnerships with key agencies, presenting findings at conferences, and contributing to the creation of new protocols to improve public health responses.

## CDC National Center for Chronic Disease Prevention and Health Promotion

*ORISE Research Fellow*

*October 2006–September 2008*

Dedicated to research on youth health-risk behaviors, academic achievement, and public health policy, with expertise in data analysis, study design, and dissemination of evidence-based findings to inform health initiatives and policy decisions, including conducting research, synthesizing findings on health risks, creating communication materials to highlight health disparities, and providing scientific advice and technical expertise to support initiatives aimed at improving health and education outcomes.

## Emory University's Tracking Teen Trends (T3)

*Graduate Research Fellow*

*May 2005–September 2006*

Research fellow on an NIH-funded study, contributing to the analysis of adolescent exposure to sexual content online by developing coding criteria for web content, conducting literature reviews, using SPSS to assess the impact of sexually explicit material on adolescent female self-concept and high-risk behaviors, synthesizing findings to provide evidence-based recommendations, drafting proposals, and presenting findings to partners to address gaps in understanding and enhance adolescent health and risk behavior research.

## EDUCATION

Doctorate in Public Health	Georgia State University, August 2021
Certificate in Field Epidemiology	University of North Carolina, May 2010
Master of Public Health	Emory University, May 2006 <i>Behavioral Science and Health Education</i>
Bachelor of Arts	Princeton University, May 2004 <i>Sociology (Magna Cum Laude); African American Studies</i>

## SELECT CERTIFICATES

FEMA/ASPR Division/Group Supervisor	ICS-100: Intro to Incident Command System
Foreign Affairs Counter Threats (FACT)	ICS-200: ICS for Initial Action Incidents
Building a Better Response (BBR)   Harvard University	ICS-300: Intermediate ICS for Expanding Incidents
High Threat Security Overseas Seminar (HT401)	ICS-400: Advanced ICS for Command & General Staff
Public Health Responder Readiness	ICS-700: National Incident Management System
REAC/TS Radiation Emergency Medicine	ICS-800: National Response Framework, An Intro
Rape, Abuse, & Incest National Network (RAINN) Hotline Intensive Training	

## SELECT HONORS AND AWARDS

**Excellence in Emergency Response** *Public Health Infrastructure Center (PHIC) Honor Award 2024*

**Excellence in Emergency Response: Toby Merlin Awards** *NCEH/ATSDR Honor Awards 2024, 2023, 2020, 2016, 2012*

**HHS Secretary's Award for Meritorious Service for the 2023 Maui Wildfire Response 2023**

**Excellence in Emergency Response** *ORR Honor Award 2023*

**Excellence in Partnerships** *NCEH/ATSDR Honor Awards 2023*

**Outstanding Support for Community-Focused Environmental Justice Actions** *NCEH/ATSDR Honor Awards 2023*

**HHS Green Champion Change Agents Award 2021**

**Excellence in Surveillance and Health Monitoring** *NCEH/ATSDR Honor Awards 2021*

**Certificate of Bravery 2017**

**Excellence in Human Capital Management: Employee Development (James Virgil Peavy Award) 2016**

**Excellence in Emergency Response (International): Ebola** *NCEZID Honor Award 2016*

**Excellence in Program Delivery (International)** *Center for Global Health Honor Award 2016*

**Superlative Public Health Support** *NCEZID Honor Award 2015*

**Excellence in Frontline Public Health Service** *NCEH/ATSDR Honor Award 2014*

**Excellence in Information Technology** *NCEH/ATSDR Honor Award 2013*

**Excellence in Program Delivery (Domestic)** *NCEH/ATSDR Honor Award 2013*

## PUBLICATIONS

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Hanchey A, Tremarelli M, Kieszak S, DiGrande L, **Schnall AH**. Understanding emergency supply kit ownership and beliefs after Hurricane Ian: Implications for future preparedness. *Disaster Medicine and Public Health Preparedness* 2025

Tremarelli M, Hanchey A, Kieszak S, DiGrande L, **Schnall AH**. Preparedness in the face of rising natural disasters: Insights from Hurricane Ian Resilience *Disaster Medicine and Public Health Preparedness* 2025

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Rumph J, Kieszak S, Winquist A, Hanchey A, DiGrande L, **Schnall AH**. Emergency Supply Kits and Medical Self-Sufficiency: Lessons from Hurricane Ian. *Disaster Medicine and Public Health Preparedness* 2025

Dernbach MR, Yeh M, Schier J, Blanco LE, Kieszak S, **Schnall AH**, Terranella A. Characterizing pediatric xylazine exposures reported to United States poison centers, 2010-2024 *Clinical Toxicology* 2025

Hanchey AH, **Schnall AH**, Therriault C, Bronstein A, Borys D, Funk A, et al. Characterizing exposures to methanol-based hand sanitizers during the COVID-19 pandemic: Use of the NPDS to conduct enhanced surveillance during response. *Disaster Medicine and Public Health Preparedness* 2025

Jiva S, Hanchey A, **Schnall A**. Mortality Tracking during a Tornado Outbreak in the Southeastern United States – December 2021 *International Journal of Emergency Management* 2025

[Tijuana River Valley Community Assessment for Public Health Emergency Response \(CASPER\) – October 2024.](#)  
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Hanchey AH, Jiva S, Bayleyegn T, **Schnall AH**. [Media Mortality Surveillance during Winter Storm Uri, United States – 2021.](#) *Disaster Medicine and Public Health Preparedness.* 2023



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Biggs HM, Harris JB, Breakwell L, Dahlgren FS, Abedi GR, et al. [Estimated Community Seroprevalence of SARS-CoV-2 Antibodies – Two Georgia Counties, April 28-May 3, 2020](#). MMWR 69(29):965-70

Gharpure R, Hunter CM, **Schnall AH**, Barrett CE, Murphy J, et al. [Knowledge, Attitudes, and Practices Regarding Household Cleaning Products and Safe Cleaning Behaviors for COVID-19 Prevention — United States, May 2020](#). MMWR 69(23):705-9

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**Schnall AH**, Wolkin AF, Roth JJ, Ellis EM. [Addressing community preparedness through Community Assessments for Public Health Emergency Response \(CASPERs\) – U.S. Virgin Islands, 2017-2018](#) American Journal of Public Health 2019 109(S4):303-8

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**Schnall AH.** The effects of sexually explicit internet content on adolescent female self-concept and high risk behavior [Unpublished Masters Thesis, 2006]

**Schnall AH.** Maternal perceptions of child habitus vs. objective BMI data: Can a disease be treated if unrecognized? [Unpublished Senior Thesis, 2004]

**Schnall AH.** Fit bodies, unfit perceptions?: An analysis of body image, eating disorders, and gender role conflict within varying sports at Princeton. [Unpublished Junior Thesis, 2003]