

Mobilizing 44 member institutes and 10 university-based regional training centers, NNPHI is a network of over 50 organizations and 4,500 subject matter experts with partners across the nation. To build healthy communities, we support the public health workforce, promote collaboration across sectors, and drive the field towards cutting-edge research and practice.

NETWORK EXPERIENCE

NNPHI's distributed capacity network offers extensive experience and expertise related to environmental health evidence-based policies and programs. The following are examples of relevant experience within NNPHI and the network. Please note: this is not a comprehensive representation of the breadth and depth of experience across the network.

ASTHMA

- In May 2016, **Health Resources in Action's** Asthma Regional Council (ARC) received the National Environmental Leadership Award in Asthma Management by the U.S. Environmental Protection Agency for the New England Asthma Innovation Collaborative project – one of four awardees nationally. Read more: <http://asthmaregionalcouncil.org/>
- **Public Health Institute's** [Regional Asthma Management and Prevention](#) program has helped pass California diesel emission regulations that are projected to prevent 150,000 cases of asthma, 12,000 cases of acute bronchitis and 9,400 premature deaths over 15 years.

CLIMATE AND HEALTH

- One of the **Colorado Health Institute's** key initiatives is called [Acclimate Colorado](#), which aims to protect the health and well-being of communities in the face of climate change. Additionally, CHI also published, [Colorado's Climate and Colorado's Health: Examining the Connection](#).
- **Florida Institute for Health Innovation** recently mapped sea-level rise, health and social vulnerability data to determine population vulnerability to each, then overlaid these to determine vulnerability 'hotspots' and recommendations for the region. These findings have been shared with leaders throughout the state, in a variety of sectors, and are being used to guide resilience planning in FIHI's collaborative work on Kresge-funded, [Resilient Miami](#).
- **Florida Institute for Health Innovation, Texas Health Institute, Louisiana Public Health Institute, Puerto Rico Public Health Trust, and Region IV Public Health Training Center (Emory University Rollins School of Public Health)** concluded the Hurricane Response Hub project in 2021, a coordinated effort among federal, state, and local public health organizations that facilitated training, technical assistance, and information sharing to enhance ongoing environmental and occupational health recovery in jurisdictions affected by the 2017 Hurricanes Harvey, Irma, and Maria.

- **Hawai'i Public Health Institute** – Participates in the Hawai'i Climate Change & Health Working, initially convened in August of 2015 (HCR 108, SD1), to help the State consider and plan for the impacts of climate change on population-based human health and well-being and has developed [preliminary findings and recommendations](#) for policymaker consideration.
- **HRiA** has been working with the Massachusetts Department of Public Health on the issue of climate change and public health since 2012. For example, HRiA collected data, conducted analysis, and prepared the following report: [Readiness to Address the Health Impacts of Climate Change in Massachusetts: Findings from a Statewide Survey](#).
- **Kansas Health Institute's** [Health and Climate Change in Kansas](#) issue brief examines the impacts of a warming climate on health, agriculture, and the environment.
- The **Public Health Institute** established the [Center for Climate Change & Health](#) to reduce the negative impacts of climate change on human health, and to promote opportunities to improve health through strategies to address climate change. Additionally, the [Achieving Resilient Communities](#) project is partnering with California communities to identify priority metrics and make measurable progress toward becoming more resilient. PHI's Center for Climate Change and Health seeks to build capacity in urban health departments through a variety of different approaches in collaboration with community partners.
- **Public Health Institute of Western Massachusetts** - [Partners for a Healthier Community](#) is supporting the development of a Climate Change plan for the city of Springfield in partnership with Arise for Social Justice and Climate Action Now. The goal is to join Boston and Worcester, which already have climate action plans, in planning ways to increase energy efficiency, pollute less, enhance economic development, and save money.

CORE ENVIRONMENTAL HEALTH SERVICES

- **Colorado Health Institute's** climate and environment team has over a decade of subject matter experience in environmental policy, research, mapping, data visualization, and index creation. The team has provided expert analysis and technical support on topics ranging from energy development and public health, natural disasters (such as wildfires and floods), climate change adaptation, and understanding health inequities caused by climate and environmental impacts.
- NCEH/DEEHS and **NNPHI** are partnering with the **Texas Health Institute, South Central Public Health Training Center** within Tulane University, and the National Environmental Health Association to transition the "Biology and Control of Vectors and Public Health Pests Course" into an online curriculum, "Vector Control for Environmental Health Professionals." In 2016-2017, the team will incorporate essential Zika-related information into the training modules.
- NCEH/DEEHS and **NNPHI** are collaborating with the Colorado School of Public Health and the **Rocky Mountain Public Health Training Center** to develop and implement a Foodborne Illness Outbreak Investigation Environmental Assessment Training and Certification Program to increase the capacity and competence of state and local food safety program staff.

ENERGY & ENVIRONMENTAL JUSTICE

- **Colorado Health Institute** can provide guidance, information, and technical assistance to identify and address environmental and energy justice needs and challenges in the community. Additionally, CHI can conduct local environmental justice analyses and the ability to identify environmental justice issues and challenges that need to be addressed such as disposal of solid and hazardous wastes. CHI can also provide assistance to facilitate community engagement, meaningful decision-making, partnership building, and strengthening human capital to address environmental and energy justice issues
- **Hawai'i Public Health Institute** has over 20 years of experience in providing education, advocacy training, and technical support to organizations and individuals so that they are able to be the voice of their communities to advance policies, systems, and environmental change in public health. HIPHI has worked extensively to empower residents to engage in the legislative process, ensuring they are able to advocate for policies that address the unique needs of their own communities.
- **Health Resources in Action** has longstanding projects focused on environmental justice - including the Massachusetts Asthma Action Partnership (MAAP) and the Asthma Regional Council of New England (ARC). Both build capacity to reduce asthma health inequities and improve the quality of life for all people with asthma within their respective geographies - focused on four priority areas: schools, housing, outdoor air quality clinical care & linkages and climate change, and overall health and racial equity. HRiA has also been a leader in the healthy communities' field with a particular focus on initiatives that lead to policy, systems, and environmental change at the local level. This work relates strongly to climate mitigation and resiliency, focusing heavily on issues of land-use, housing, and infrastructure. HRiA also provides health equity and racial equity technical assistance and training to a wide range of municipal, state, and private organizations - including the Massachusetts Department of Public Health (MDPH).
- **Institute for Public Health Innovation's** work in this area includes the DC Healthy Housing Collaborative, RVA Breathes (an NIH funded study through Virginia Commonwealth University focused on childhood asthma), the Prince George's Food Equity Council, a community health worker-based interventions, and the Community Health Assessment and Community Health Improvement Plan expertise which identifies environmental inequities through quantitative and qualitative data collection. Additionally, IPHI has several subject matter experts on staff that have worked at the nexus of environmental health/justice and grantmaking. Specifically, in this area, IPHI can provide assistance to apply for and effectively manage energy justice and environmental grants, build capacity, facilitate community engagement and partnership building, and has knowledge of federal, state, and local grant laws and policies.

- In recent years, the **Kansas Health Institute** has helped communities across Kansas, including rural and frontier communities, to identify and address environmental justice issues by building their capacity in utilizing data that includes indicators related to social, economic, and environmental determinants of health. Examples include County Health Rankings and convening meaningful and inclusive conversations around identified issues. Since 2019, KHI has been implementing Pathways to a Healthy Kansas, an initiative supported by the Blue Cross and Blue Shield of Kansas (BCBSKS), by supporting 26 communities across the state to improve health and equity through system and policy changes. KHI has also helped communities build capacity in assessing potential implications of environmental issues on health and empowering communities to use this information.
- Through its comprehensive partnership network, the **Louisiana Public Health Institute** enhances disaster-related recovery efforts by building the public health workforce's capacity in disaster surveillance, environmental and occupational health, and mental health resilience and support. LPHI's experience includes the program development, administration and disbursement of grants and technical assistance to local and state government, network agencies, community-based providers and organizations through the following funded highlights: \$100m federally-funded Primary Care Access Stabilization Grant program (Post-Hurricane Katrina), \$8.3m court-settlement funded New Orleans Charitable Health Fund program (Johnson & Johnson lawsuit), \$55m Deepwater Horizon court-settlement Gulf Coast Regional Health Outreach Program – Primary Care Capacity Project (BP Oil Spill).
- **The Puerto Rico Public Health Institute** works on diversity of projects with a strong focus on community engagement and participation. They have also served as first responders in recent emergencies such as hurricanes and earthquakes providing basic supplies, mental health support, as well as connections to services. Following hurricanes Irma, Maria, and Fiona, we worked closely with a variety of partners to bring safe drinking water to rural communities through our project Proyecto Agua Limpia. Home use water gravity-driven water filters were provided for more than 80,000 families, providing potable water solutions for approximately 200,000 residents of Puerto Rican communities. Rural communities and their leaders hosted events where their community members learned about water safety and prevention of diseases and other health issues related to access to potable water.
- **Seven Directions** has identified climate action and risk management as crucial Indigenous public health work. They are conducting more projects in the climate and environmental justice fields, including creating climate change and public health trainings and materials for the Indigenous Public Health Leaders Program (IPHLP), in partnership with NNPHI.
- **Texas Health Institute** has experience as both an environmental and health disparity technical assistance center. They were one of five CDC/NNPHI Hurricane Response Hubs. We currently are one of eight public health institutes providing "Best Practices" technical assistance in support of the OT21-2103 grant recipients as a part of the National Initiative to Address COVID-19 Health Disparities Among Populations at High-Risk and Underserved, Including Racial and Ethnic Minority Populations and Rural Communities. Our work is built on earlier CDC/NNPHI projects creating twenty online learning courses in environmental health. THI has also been one of the HRSA funded Region 6 Public Health Training Center's partners since 2014. Our THI resources

page provides additional materials illustrating our commitment to health equity. THI's board has identified the need to address climate change, environmental health, and crisis preparedness.

HEALTHY HOMES/LEAD POISONING PREVENTION PROGRAM

- **Health Resources in Action** has facilitated lead poisoning prevention efforts for nearly 15 years, leading community coalitions focused on creating lead-safe homes in Boston through visual housing assessments, outreach, and education in partnership with city agencies, and training workshops with community members and home childcare providers.
- **Public Health Management Corporation** has led environmental health service work for decades including conducting home visits focused on lead poisoning, asthma, and Healthy Homes, as well as, developing curriculum and providing training on topics such as Healthy Homes, vector control, and climate change and health.

SAFE WATER

- NCEH/DEEHS and **NNPHI** are collaborating with **Texas Health Institute**, Tulane University's
- **South Central Public Health Training Center**, and the National Environmental Health Association to develop a curriculum to equip environmental health professionals with strategies to improve safe drinking water programs

WORKFORCE DEVELOPMENT

To ensure the nation's 500,000 public health professionals have the skills to take on complex and evolving public health challenges, the [National Coordinating Center for Public Health Training \(NCCPHT\)](#) at NNPHI has partnered with 10 regional public health training centers and 40 local education and training sites to form a unified, national network of public health training and educational resources called the [Public Health Learning Network \(PHLN\)](#).

Examples of related trainings developed or are under development by members of the PHLN:

- [Air Pollution: The Relationship Between Environment and Disease](#) (New Jersey Public Health Training Center)
- [Addressing Asthma in New Jersey](#) (New Jersey Public Health Training Center)
- [Impact of Climate Change on Public Health in Indiana](#) (Indiana Public Health Training Center)
- **Climate Change and Public Health** - [Part 1](#) and [Part 2](#) (New Jersey Public Health Training Center)

- [Vectors of Disease in Disasters](#): Information will be provided regarding the safe use of pesticides, technical information necessary for evaluating the need for vector and rodent control, and discussion regarding the formulation of national training programs for the evaluation and control of vector-borne diseases after a natural disaster. (South Central Public Health Training Center at Tulane)
- [Doing it Right: Swimming Pool and Bathing Beach Testing](#) (Midwestern Public Health Training Center | St. Louis University)
- [Housing Sanitation and Safety](#): This course provides an introduction to housing sanitation and safety issues in America, focusing on the relationship between home environmental factors and health. Emphasis is placed on how to identify and remediate unhealthy home conditions to prevent lead poisoning, asthma and injury. (South Central Public Health Training Center at Tulane University)
- [Healthy Homes 101](#) (Midwestern Public Health Training Center | University of Nebraska Medical Center)
- [Radiation Protection](#): This course will explain what radiation is, the various types of ionizing radiation including alpha, beta, gamma and neutron radiation, human health effects to high levels of radiation exposure, decontamination procedures, and proper disposal techniques. (South Central Public Health Training Center at Tulane University)
- [Environmental Public Health Tracking and Surveillance](#): Provides an introduction to environmental public health tracking and its potential use in daily practice. By the end of the training, participants will be able to: describe key concepts of environmental health tracking and surveillance; identify applications of environmental health tracking in practice through examples; and, explore resources for environmental tracking information. (Great Lakes Public Health Training Collaborative | University of Michigan)

For More Information

- ✓ **Contact NNPHI Emergency Preparedness, Response and Recovery** ccp@nnphi.org
- ✓ **Visit our [website](#)** – don't miss our network engagement directory!
- ✓ **Check out our [blog post](#)** on collaborative efforts with CDC
- ✓ **[Subscribe to the News You Can Use](#)** (monthly e-newsletter for federal and foundation partners)