Lead the way in ensuring safer and healthier environments for all Americans

Become Director, CDC’s National Center for Environmental Health/Agency for Toxic Substances and Disease Registry

Centers for Disease Control and Prevention
CDC: The nation’s leading public health agency

- Saves lives, protects people from health, safety, and security threats, both foreign and domestic
- Has >15,000 employees and a $5.7 billion budget
- Fights death, disability, injury and disease and supports communities and citizens to do the same, whether diseases start at home or abroad
- Puts proven prevention strategies to work addressing our nation’s leading causes of disease and death
- Investigates disease outbreaks worldwide and supports 100+ labs to identify diseases, food-borne outbreaks, bio-security threats, and environmental hazards
NCEH/ATSDR mission

Protect people’s health from environmental hazards that can be present in the air we breathe, the water we drink, and the world that sustains us by

- Investigating the relationship between environmental factors and health
- Developing guidance
- Building partnerships to support healthy decision making
Organizational structure

Office of Noncommunicable Disease, Injury, and Environmental Health

NCEH
- Division of Emergency and Environmental Health Services
- Division of Environmental Hazards and Health Effects
- Division of Laboratory Sciences

ATSDR
- Division of Community Health Investigations
- Division of Toxicology and Human Health Sciences

Note: NCEH and ATSDR share a single Office of the Director
ATSDR history

- CERCLA led to creation of ATSDR in 1985
  - 1980 Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA, or “Superfund Act”) allowed federal authorities to address the dangers of abandoned hazardous waste dumps
- ATSDR’s top priority is to protect people from harmful chemical exposures
- 272 FTEs and 83 non-FTEs
- $74.7M budget

ATSDR’s work

- Prevent community exposure to hazardous substances
- Build the science base on toxic substances
- Educate health care providers and the public about toxic chemicals
- Maintain health registries

Love Canal Dump Site
NCEH history

• 1980: Center for Environmental Health established at CDC
  • 1991: became National Center for Environmental Health
• Protects the public through
  • Data collection and monitoring
  • Applied research
  • Communication and education
  • Standards, guidelines, recommendations
  • Training and technical assistance
• 403 FTEs and 226 non-FTEs
• $179.8M budget
ATSDR’s work in neighborhoods across the U.S.

- Worked in >900 sites, including
  - **Navy Yard Mills (Dracut, MA):** Worked with EPA and Mass. Dept. of Health to protect people from indoor air exposure to trichloroethylene and tetrachloroethylene
  - **Excel Dairy (Excel Township, MN):** Conducted investigation with Minn. Dept. of Health that supported EPA and Minnesota Attorney General’s office’s closure of the dairy while operators sought ways to reduce hazardous emissions
- Worked at >400 brownfields/land reuse sites to assess health effects of potential exposure to hazardous substances, including
  - **Milwaukee’s 30th St. Industrial Corridor:** Worked in projects to pilot ATSDR’s action model to revitalize brownfields
ATSDR – emergency response

ATSDR’s expertise in health effects of chemicals and other toxins has been put to use in events such as

- Contaminated water in Coffeyville, KS
- Hurricanes Katrina and Superstorm Sandy
- Deepwater Horizon Oil Spill in the Gulf of Mexico
Together with partners, ATSDR has launched important and significant registries such as

- **World Trade Center Registry**: Tracks long-term health effects among workers, residents, and school children who were exposed to smoke, dust, and debris from the disaster

- **Tremolite Asbestos Registry**: Tracks health of former workers, families, and community members who lived and worked in Libby, MT, before 1990

- **National Amyotrophic Lateral Sclerosis Registry**: Aims to help scientists identify the causes of Lou Gehrig's disease
Toxic substances web portal

- Allows researchers and citizens to find information about toxic substances and related health effects and exposure risks
- Contains 24 case studies for medical professionals who want to know more about the clinical effects of specific chemicals in people
- Scientists and researchers can search for chemicals and their effects on organ systems and human health

www.atsdr.cdc.gov/substances/index.asp
NCEH – Emergency and Environmental Health Services

- **Environmental health services**
  - Provides essential leadership and guidance to the nation’s frontline environmental health staff

- **Healthy community design**
  - Improves surveillance, evaluation, and best practice sharing of health effects of community design

- **Healthy homes and lead poisoning prevention**
  - Responds to lead poisoning outbreaks or emerging threats (like lead in toys) with expertise and epidemiologic support
  - Provides technical support for the Healthy Homes and Lead Poisoning Surveillance System

- **Vessel sanitation**
  - Helps cruise ship industry prevent and control the introduction, transmission, and spread of gastrointestinal illnesses on cruise ships
NCEH – Environmental Hazards and Health Effects

- **Asthma control**
  - Works to ensure that people with asthma get the care and education they need to manage the disease effectively

- **Climate and health**
  - Translates climate change science to inform states, local health departments, and communities
  - Creates decision support tools to build capacity to prepare for climate change
  - Is credible leader in planning for public health impacts of climate change

- **Public health tracking**
  - Collects, integrates, analyzes, interprets, and shares data from environmental hazard monitoring and human exposure and health effects surveillance

- **Health studies**
  - Conducts rapid epidemiologic investigations in response to outbreaks believed to have environmental causes; responds to natural and technologic disasters
NCEH laboratories provide state-of-the-art advantages

- Unique measurements and profiles of measurements
- Measurement quality
  - Accuracy, precision, sensitivity, specificity
- Rapid measurement response
  - Short time to first result
  - High throughput of samples per day
- Standardization of other laboratories
NCEH – Laboratory sciences

- **Tobacco laboratory**: Provides laboratory science that reduces individual and population exposure to addictive and toxic substances in tobacco products.

- **Nutrition, chronic and infectious disease projects**: Improves laboratory diagnosis and detection of nutrition-related disease, cardiovascular disease, and provides laboratory support for influenza and selected infectious disease projects.

- **Newborn screening**: Assures the early and accurate laboratory detection of treatable congenital disorders in newborns.

- **Chemical threat agents and toxins**: Provides effective laboratory support for the public health response to chemical threat agents and threats involving selected toxins.

- **Radiologic threat agents**: Provides effective laboratory support for the public health response to radiologic threat agents.
ATSDR recent accomplishments

• Protected the health of 760,000 people through ATSDR recommendations, 85% of which were adopted at sites in FY 2013

• Launched the *Don’t Mess With Mercury* website and campaign to teach students, teachers, and administrators about the risks of mercury

• Released 12 ToxProfiles that include 41 Minimal Risk Levels and implemented a systematic review method for ToxProfiles development

• Linked more than 5,000 ALS Registry enrollees to researchers conducting new clinical trials/epi studies

• Released a retrospective cohort study to determine whether residential exposures of Marines and Navy personnel to contaminated drinking water at Camp Lejeune increased risk of mortality from cancers and other chronic diseases
NCEH recent accomplishments

• Added 8 content areas, 86 measures, and new features (e.g., animated/slider maps, point maps, benchmarks) to the Tracking Network

• Published a resource for partners considering innovative reimbursement mechanisms for evidence-based asthma management practices

• Updated the *Fourth National Report on Human Exposure to Environmental Chemicals* with new survey data for 37 previously reported chemicals

• Analyzed more than 1,000 samples in one day using a mass spectrometry-based method to detect anthrax in a CDC anthrax functional exercise

• Completed largest laboratory-based characterization of harmful and addictive constituents in cigarettes and cigarette smoke from the 50 major U.S. brands and reported nearly 50,000 results that establish baseline levels to support FDA tobacco regulation
The successful candidate should possess

- Leadership experience in creating a vision and setting direction for large organizations such as scientific, public health, academic, non-governmental or other organizations
- Leadership experience in leading, directing, and managing a public health program or research organization
- Prominence and expertise in environmental health, toxicology, or other related scientific specialty field
- Ability to develop and implement national or international policies and research related to environmental health hazards and exposure to toxic substances
- Ability to deal effectively with high-level government officials, the scientific and academic communities, national and international health organizations, diverse community and non-governmental groups, media, and the public
How to apply

- Go to USAJOBS.gov and apply online using the links below
  - PhDs (or other earned doctorate): HHS-CDC-AD-14-1092969
  - MDs only: HHS-CDC-AD-14-1093579
  - Application deadline: May 27, 2014, midnight EST
- Questions
  - About the position: Vicki Hunter at Vhunter@cc.gov or 404-895-2275
  - General human resource questions: www.cdc.gov/employment/menu_faq_application.html
- Other information
  - This position is located at CDC headquarters in Atlanta, Georgia
  - The salary range is $ $154,501 to $201,700 annually. The final salary will be based upon the selectee’s relevant education and experience. Relocation and/or recruitment incentives may be authorized.
CDC works 24/7 to save lives & protect people from health threats

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