National Indian Health Board Webinar
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Climate and Health Program
Centers for Disease Control and Prevention
Pollen, wildfires, urban air pollution, water quality and quantity....
What is CDC doing to prepare for health effects of climate change?

- CDC helps states and cities prepare for health challenges of climate change by
  - Providing scientific guidance
  - Developing decision support tools
  - Ensuring public health concerns are considered in climate change adaptation and mitigation strategies
  - Creating partnerships between public health and other sectors

- CDC’s Climate and Health Program – nation’s only investment in climate change preparedness for public health sector
Climate-Ready States and Cities Initiative

- CDC effort to enhance capacity of state and local health agencies to deal with health challenges associated with climate change

- CDC accomplishes this by
  - Funding 18 state and local health departments
  - Providing framework and tools for planning, implementing, and evaluating climate adaptation strategies
    - Tools to identify populations and places vulnerable to climate impacts
    - Materials to help communicate climate and health issues to public health partners (e.g., extreme heat toolkit)
Climate Ready Tribes and Territories Initiative

- First year funding awarded in 2016
- Partnership with the National Indian Health Board and the Association of State and Territorial Health Officials
- Supports climate and health adaptation activities in Tribes and territories
- Three tribes and three territories funded
BRACE

Building Resilience Against Climate Effects

01
Forecasting Climate Impacts and Assessing Vulnerabilities

02
Projecting the Disease Burden

03
Assessing Public Health Interventions

04
Developing and Implementing a Climate and Health Adaptation Plan

05
Evaluating Impact and Improving Quality of Activities
NEW YORK CITY: Creating Resilient Communities

THE THREAT TO HEALTH:

- Average annual temperature in New York City is increasing and more extreme temperatures predicted for the future, which will increase the risk of heart attack and stroke among vulnerable populations.
- Malaria transmission could spread into New York City, which could impact the health and well-being of the city's residents.
- The number of heat-related deaths is expected to increase.

ADAPTATION IN ACTION:

- The Department of Health and Mental Hygiene (DOHMH) has developed a heat preparedness plan to ensure that residents are aware of the risks and are prepared to seek cool shelters.
- The city has also developed a heat warning system to alert residents of high-risk conditions.

ARIZONA: Ready for Extremes

*Arizona is a beautiful place to live, where extreme heat, drought, monsoon rain and dust storms are the norm. Our programs help residents learn to respect and adapt to these extremes.*

MICHIGAN: Responding to Local Needs

*Climate change is a global and national issue, but its impacts are felt at the local level, affecting the health and well-being of people in every community. Public health needs to engage with community partners, emergency responders, and citizens in ways that can promote tools and adaptations that make our community healthy, resilient, and desirable to live in.*

To learn more about the Arizona Climate Action Plan, visit:\nwww.arizonacapacity.org

THE THREAT TO HEALTH:

- The area is a hot spot for heat-related deaths, with temperatures often reaching well above 100°F.
- Malaria threatening the area is expected to increase with climate change.

ADAPTATION IN ACTION:

- The Arizona Department of Health Services has developed a plan to help residents prepare for extreme heat and other climate-related health threats.
- The state has also developed a heat warning system to alert residents of high-risk conditions.

THE THREAT TO HEALTH:

- Extreme heat and drought are expected to increase the number of heat-related deaths.
- Malaria is expected to spread into the region, increasing the risk of illness.

ADAPTATION IN ACTION:

- The Michigan Department of Health and Human Services has developed a plan to help residents prepare for extreme heat and other climate-related health threats.
- The state has also developed a heat warning system to alert residents of high-risk conditions.

To learn more about the Michigan Climate and Health Adaptation Program, visit:\nwww.michiganclimatehealth.org
Summary

• The effects of climate change are already evident in our communities

• Climate change must be framed as a human welfare and public health issue

• Early action, through evidence-based approaches, can help to protect the public’s health
For more information please contact Centers for Disease Control and Prevention

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The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.