WISCONSIN CLIMATE AND HEALTH PROGRAM – PREPARING FOR ENVIRONMENTAL CHANGE
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BUREAU OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH
DIVISION OF PUBLIC HEALTH
WISCONSIN DEPARTMENT OF HEALTH SERVICES
WISCONSIN’S CLIMATE

WHAT IS THE CLIMATE AND HEALTH PROGRAM?

LOCAL ADAPTATION PLANNING

FUTURE DIRECTIONS
WISCONSIN’S CLIMATE

Historic temperature, precipitation, seasonality, and timing.
HISTORIC TEMPERATURE CHANGE

Wisconsin has warmed by \(1^\circ - 1.5^\circ F\) since 1950.
Wisconsin rainfall has changed since 1950.

Precipitation changes range between a positive 7” to a negative 4” across the state.
WHAT IS THE CLIMATE AND HEALTH PROGRAM?

Building Resilience Against Climate Effects
CLIMATE AND HEALTH PROGRAMS

Currently Funded States and Cities

http://www.cdc.gov/climateandhealth/crsci_grantees.htm
POTENTIAL PUBLIC HEALTH IMPACTS

Heat
Precipitation
Drought
Winter weather

Cross cutting:
- Mental health
- Power outages
- Economic impacts

Vectors and pathogens
CLIMATE AND EXTREME WEATHER EVENTS ARE COMMUNITY HEALTH CONCERNS

Those most negatively impacted by weather and climate events: elders, very young, low socio-economic status, mental health issues, chronic diseases, and socially isolated.

Building resilience is a collaborative effort.

Emergency planning, preparedness, and response can help mitigate community health problems.
Building Resilience Against Climate Effects

01 Projecting the Disease Burden
02 Assessing Public Health Interventions
03 Developing and Implementing a Climate and Health Adaptation Plan
04 Evaluating Impact and Improving Quality of Activities
05 Forecasting Climate Impacts and Assessing Vulnerabilities

BRACE
Building Resilience Against Climate Effects

CDC
Community engagement process.

Develop adaptation strategies:

- Identify and prioritize local health impacts.
- Identify and prioritize strategies to address health impacts.
- Identify and prioritize action steps to implement strategies.

Tools:

- Wisconsin Climate and Health Community Engagement Toolkit
EXTREME WEATHER TOOLKITS

**Audience:**
- Local governments
- Local health departments

**Objective:**
- Preparing for and responding to different weather-related emergencies
  - Extreme Heat
  - Flood
  - Winter Weather
  - Wildfire
  - Chemical Release
  - Harmful Algal Bloom
  - Drought
  - Thunderstorms and Tornadoes
  - Vectorborne Disease
FUTURE DIRECTIONS

Health Equity Action Team (HEAT)
Exposure Pathways
PRIORITY POPULATIONS

1. Those with low income
2. Communities of color
3. Immigrant groups (including those with limited English proficiency)
4. Indigenous peoples
5. Children and pregnant women
6. Older adults
7. Vulnerable occupational groups
8. Persons with disabilities
9. Persons with preexisting or chronic medical conditions
Vulnerability to Climate Related Health Effects: the tendency or predisposition to be adversely affected by climate-related health effects - encompasses three elements:

1. Exposure
2. Sensitivity or susceptibility to harm
3. The capacity to adapt to or cope with change
RESILIENCE

Planning and preparation for climate and weather
Building capacity within our communities
Protecting our most vulnerable citizens
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