ACCOMPLISHMENTS

BRACE 5 Step Framework
STEP 1: FORECASTING CLIMATE IMPACTS AND ASSESSING VULNERABILITIES

Climate and Health Profile Report
Wisconsin Heat Vulnerability Index
“Heat Vulnerability Index Mapping for Milwaukee and Wisconsin”
Flood Vulnerability Assessment
STEP 2: PROJECTING THE DISEASE BURDEN

Projected Heat-Related Mortality in Wisconsin

Manuscript about Climate Impacts on Gastrointestinal Illness in Wisconsin
### Step 3: Assessing Public Health Interventions

<table>
<thead>
<tr>
<th>Extreme Heat</th>
<th>Carbon Monoxide Poisoning</th>
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<tbody>
<tr>
<td>Drought</td>
<td>Mosquitoborne Disease</td>
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<td>Wildfires</td>
<td>Tickborne Disease</td>
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<td>Pollen</td>
<td>Extreme Weather Injury</td>
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<tr>
<td>Respiratory Illness from Air Pollution</td>
<td>Mental Health - Floods/Storms</td>
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<tr>
<td><strong>Waterborne Disease</strong></td>
<td>Mental Health - Heat</td>
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<tr>
<td>Mold</td>
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<tr>
<td>Harmful Algal Blooms</td>
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STEP 4: DEVELOPING AND IMPLEMENTING A CLIMATE AND HEALTH ADAPTATION PLAN

Climate
Climate and Health Impacts in Wisconsin
Health Equity and Community Engagement
Climate and Health Adaptation Strategies – Completed and Ongoing
Climate and Health Adaptation Strategies – Emerging Issues
Success Stories
STEP #5: EVALUATING IMPACT AND IMPROVING QUALITY OF ACTIVITIES

BRACE Program Evaluation Report
LOCAL PUBLIC HEALTH

Local Health Agency Pilot Projects
Extreme Weather Toolkits
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
CURRENT PROJECTS

Exposure Pathways
Priority Populations
External Partner Teams
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.
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
CLIMATE AND HEALTH EXTERNAL PARTNER TEAMS

Health Equity Action Team (HEAT)

Science Advisory Group (SAG)
RESILIENCE

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

DHS BRACE team:

- Colleen Moran, M.P.H, M.S. – Program Manager
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- Haley Briel., M.S. Candidate - Intern
- Dr. Roy Irving, Ph.D. - Section Chief
- Dr. Jon Meiman, M.D. - Principal Investigator