BRACE FRAMEWORK
LOCAL PROJECTS AND TOOLS
CURRENT PROJECTS
FUTURE DIRECTION
BRACE FRAMEWORK

Previous successes
POTENTIAL PUBLIC HEALTH IMPACTS

Heat
Precipitation
Drought
Winter weather

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

Vectors and pathogens
CLIMATE AND HEALTH PROGRAMS

[Map showing currently funded states and cities with URLs: http://www.cdc.gov/climateandhealth/crsci_grantees.htm]
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
LOCAL PROJECTS AND TOOLS

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
EXPOSURE PATHWAYS

Injuries, fatalities, mental health impacts
Asthma, cardiovascular disease

Heat-related illness and death, cardiovascular failure
Malaria, dengue, encephalitis, hantavirus, Rift Valley fever, Lyme disease, chikungunya, West Nile virus

Forced migration, civil conflict, mental health impacts
Respiratory allergies, asthma

Malnutrition, diarrheal disease
Cholera, cryptosporidiosis, campylobacter, leptospirosis, harmful algal blooms

Severe Weather
Air Pollution
Changes in Vector Ecology
Increasing Allergens

Extreme Heat
Water Quality Impacts
Water and Food Supply Impacts
Rising Sea Levels
More Extreme Weather
Rising Temperatures

Increasing CO2 Levels
Environmental Degradation

CDC
COMMUNITY ASSESSMENT OF PUBLIC HEALTH EMERGENCY RESPONSE (CASPER)

Who: Wisconsin Department of Health Services and local community partners
What: “Quick and dirty public health tool”: rapid needs assessment
When: September 13-15, 2018
Where: City of Milwaukee, WI
Why: Build capacity to plan for and respond to extreme heat events

Climate adaptation implications:
• Internal capacity building
• Partnerships created
• Extreme heat plan updates
• Extreme heat messaging improvements
Who: Wisconsin Department of Health Services
What: Interactive flood risk mapping tool
When: Live – launched March 18, 2019
Where: https://dhsgis.wi.gov/dhs/wfrma/
Why: Better understand flood vulnerability and risk and help inform flood preparedness and response efforts

Climate adaptation implications:
• Increased ability to plan for and respond to flooding events
• Increased understanding of the intersectionality of factors at play during a flooding event
Who: Wisconsin Department of Health Services and partners
What: A scorecard that assesses community specific vulnerabilities to flooding
When: Piloting phase
Where: Wisconsin municipalities
Why: To help municipalities decide what actions to take to protect their communities from future flooding

Climate adaptation implications:
• Increase resilience of Wisconsin municipalities
• Increase partnerships
<table>
<thead>
<tr>
<th>PRIORITY POPULATIONS</th>
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<tbody>
<tr>
<td>1. Those with low income</td>
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<tr>
<td>2. Communities of color</td>
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<tr>
<td>3. Immigrant groups (including those with limited English proficiency)</td>
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<td>4. Indigenous peoples</td>
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<tr>
<td>5. Children and pregnant women</td>
</tr>
<tr>
<td>6. Older adults</td>
</tr>
<tr>
<td>7. Vulnerable occupational groups</td>
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<tr>
<td>8. Persons with disabilities</td>
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<td>9. Persons with preexisting or chronic medical conditions</td>
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FUTURE DIRECTION

Sustainability of Efforts
Climate and Health Adaptation Plan
SUSTAINING AND EXPANDING EFFORTS

Embed climate change and health equity into Wisconsin Division of Public Health

Update Wisconsin Climate and Health Adaptation Plan

Climate adaptation implications:
- Create a sustainable process for this work to continue
- Increase partnerships
- Increase sector-wide resilience to climate change
RESILIENCE

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

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- Colleen Moran, M.P.H, M.S. – Program Manager
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- Natalie Schmitz – Communications Specialist
- Disa Patel, M.P.H. - Evaluator
- Dr. Roy Irving, Ph.D. - Section Chief
- Dr. Jon Meiman, M.D. - Principal Investigator