

UNIVERSITY OF MARYLAND EXTREME HEAT DECISION MATRIX



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CIVIL AND ENVIRONMENTAL
ENGINEERING DEPARTMENT



DIVISION OF
ADMINISTRATION

HEALTH, SAFETY, & INFRASTRUCTURE

- Impact of outdoor climate on core body temperature
- High heat indices linked to reduced physical and mental aptitude
- HVAC and IT is highly sensitive to inclement weather

WEBSITE CAPABILITIES

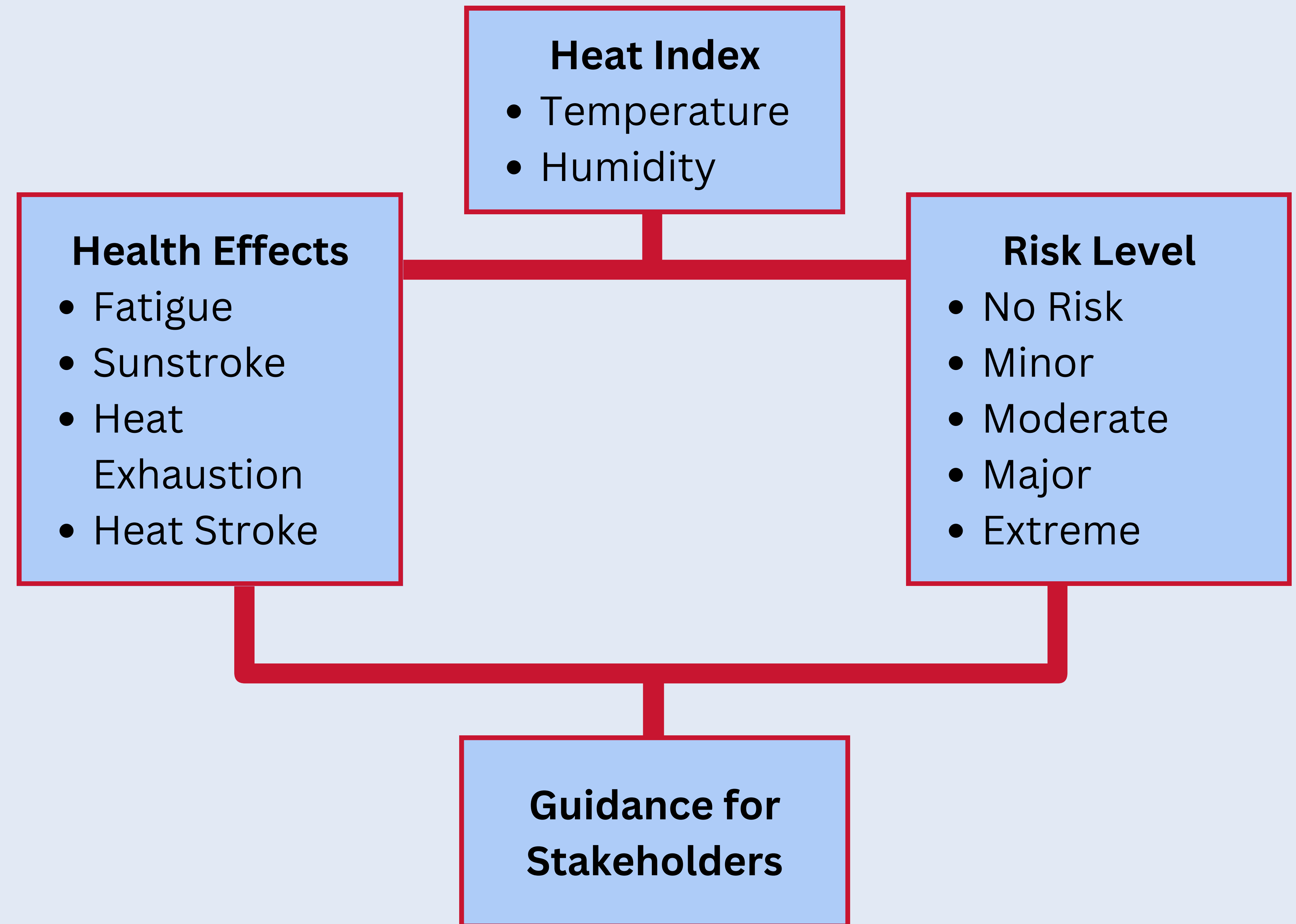
- Pulls information from National Weather Service
- 7-Day Forecast
- Access to responses associated with each risk level
- Heat index calculated using equations provided by NOAA

REGULATIONS

- National Weather Service
- University System of Maryland
- University of Maryland College Park
- Maryland Department of Health
- Big 10
- NCAA
- Occupational Safety and Health Administration (OSHA)
- Centers for Disease Control and Prevention (CDC)

COOL-AID KIT

- Regulate body temperature
- Analyzed each option's cost and sustainability
- "Cool-Aid" Kit:
 - Cooling Towel
 - Misting Fan
 - Liquid IV Hydration Packets



Academics	Child Care	Housing
Administration	Dining	IT
Agriculture	Events	Outdoor Workers
Animal Care	Facilities Management	Recwell
Athletics	Health Care	Research