

# CLIMATE CHANGES MI HEALTH

# MICHIGAN

# EXTREME

# PRECIPITATION



Learn more about the connections between extreme precipitation (rain, snow, sleet, and hail), health effects and climate change. Explore environmental and human health information and data with Michigan Tracking (MiTracking).

## CLIMATE CHANGE

The Great Lakes region has gotten wetter since the 1950s. Total annual precipitation has increased by 13.6 percent. Heavy precipitation events have increased by about 45 percent since 1950 in the Midwest region.

Climate changes are leading to:

- 1) Shifting seasonal patterns.
- 2) More extreme, erratic and heavy precipitation.

Current climate projections show extreme weather patterns will increase through the 21st century.

### Extreme precipitation events include:

- Summer
- Droughts
  - Floods
  - Heavy rain
- Winter
- Heavy snowfall
  - Ice storms

## HEALTH EFFECTS

Extreme precipitation is affecting human health in serious ways. These health effects can be direct or indirect. Health effects include:

### Summer

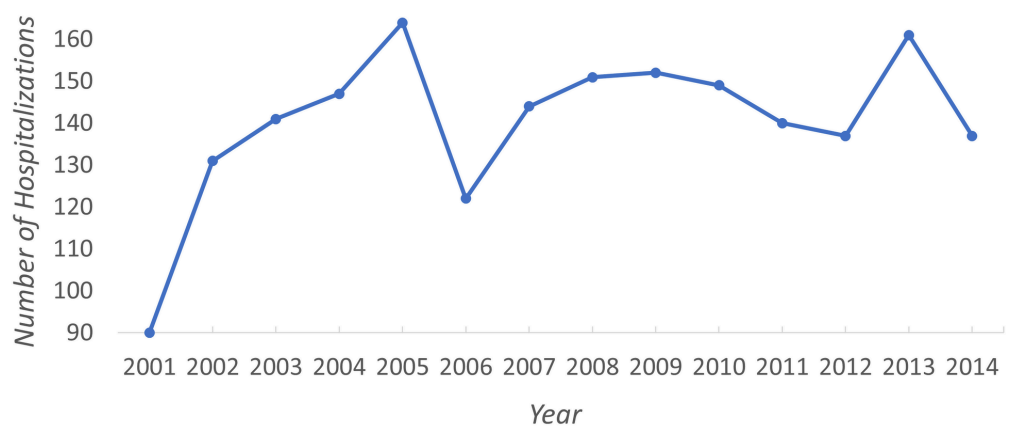
- Drowning during floods.
- Carbon monoxide (CO) poisoning and death from improperly used generators after storm-related power outages.
- Vector-borne disease from ticks and mosquitos.

### Winter

- Injuries from slipping on ice.
- Hypothermia.
- CO poisoning and death from improperly used heaters and generators after storm-related power outages.

### Number of Hospitalizations for Carbon Monoxide Poisoning

Source: [MiTracking](#)



## DATA

MiTracking makes finding and using data on Michigan environmental and health topics easy. The MiTracking data portal is free, interactive and available to all. Users can search, download and display data in tables, charts and maps like the one found in this infographic.

MiTracking offers extreme precipitation-related information and data on:

- Climate Change
  - Extreme Precipitation (Historical Data)
- Carbon Monoxide Poisoning
  - Emergency Department Visits
  - Hospitalizations

**Data Options** ▼

**\* = Required**

**\* Categories:**  
Environment ▼

**\* Content Areas:**  
Climate Change ▼

**\* Indicators:**  
Extreme Precipitation (Historical Data) ▼

**\* Measures:**  
Number of Extreme Precipitation Days (Greater than 1 Inch) ▼

**\* = Required**

Run Query    Switch to Advanced Query

Clear Query    Save Query



Explore data at [Michigan.gov/MiTracking](http://Michigan.gov/MiTracking) or scan the QR code (right).

## RESOURCES

Learn how Michiganders can improve health by reducing climate change and adapting to its impacts at the resources below.

- [MICHAP - Michigan Climate & Health Adaptation Program](http://Michigan.gov/ClimateAndHealth) (URL: [Michigan.gov/ClimateAndHealth](http://Michigan.gov/ClimateAndHealth))
- [Michigan Environmental Public Health Tracking \(MiTracking\)](http://Michigan.gov/MiTracking) (URL: [Michigan.gov/MiTracking](http://Michigan.gov/MiTracking))



Scan the QR code (left) for an electronic version of this document.

