

# CLIMATE AND HEALTH

How does climate change impact health?

## CLIMATE CHANGE IS LINKED TO HEALTH THROUGH THESE AREAS...



FOOD



WATER



TEMPERATURE



AIR



EQUITY

### FOOD SYSTEM IMPACTS

- HIGHER FOOD PRICES
- DECREASE IN CROP PRODUCTIVITY
- CROP LOSS FROM FLOODING



### WATER

AS TEMPERATURES RISE WE ARE LIKELY TO EXPERIENCE..



HEAVY PRECIP EVENTS

MORE FLOODING, WATER CONTAMINATION, AND RUNOFF

PROPERTY DAMAGE AND ECONOMIC STRESS

DAMP INDOOR ENVIRONMENTS INCREASE PREVALENCE OF ASTHMA AND OTHER UPPER RESPIRATORY TRACT SYMPTOMS

IN IOWA, THERE ARE 150,000+ PEOPLE LIVING AT AN ELEVATED RISK OF INLAND FLOODING



### TEMPERATURE



By mid-century the Midwest is projected to experience a climate that is hotter...

- +18 days above 95 deg F
- + 6 deg F increase in average annual temperature
- +150% air conditioning demand
- increased heat related illness



### SOCIAL INEQUALITIES



Climate change and its effects on health disproportionately affect some populations

OUTDOOR WORKERS  
OLDER ADULTS  
CHILDREN  
PEOPLE OF COLOR  
LOW-INCOME COMMUNITIES

23% OF OWNER-OCCUPIED HOUSES AND 54% OF RENTER OCCUPIED HOUSEHOLDS ARE LIVING WITH HOUSING AFFORDABILITY BURDEN IN THE CITY OF DUBUQUE



### AIR

HOTTER TEMPERATURES CONTRIBUTE TO POOR AIR QUALITY

AIR POLLUTION INCREASES ALLERGENS

INCREASES ASTHMA AND RESPIRATORY DISEASE



SINCE 1995, THE STATE OF IOWA HAS HAD AN INCREASE IN ALLERGY SEASON OF 10-15 DAYS



BY THE YEAR 2050 IOWA IS PROJECTED TO SEE...

AN INCREASE OF FLOOD RISK BY MORE THAN 30%

A 155% INCREASE IN ITS INDEX OF THE SEVERITY OF WIDESPREAD DROUGHT

