

# Climate Change, Health and Health Equity

American Academy of Family Physicians  
Health Equity Toolkit

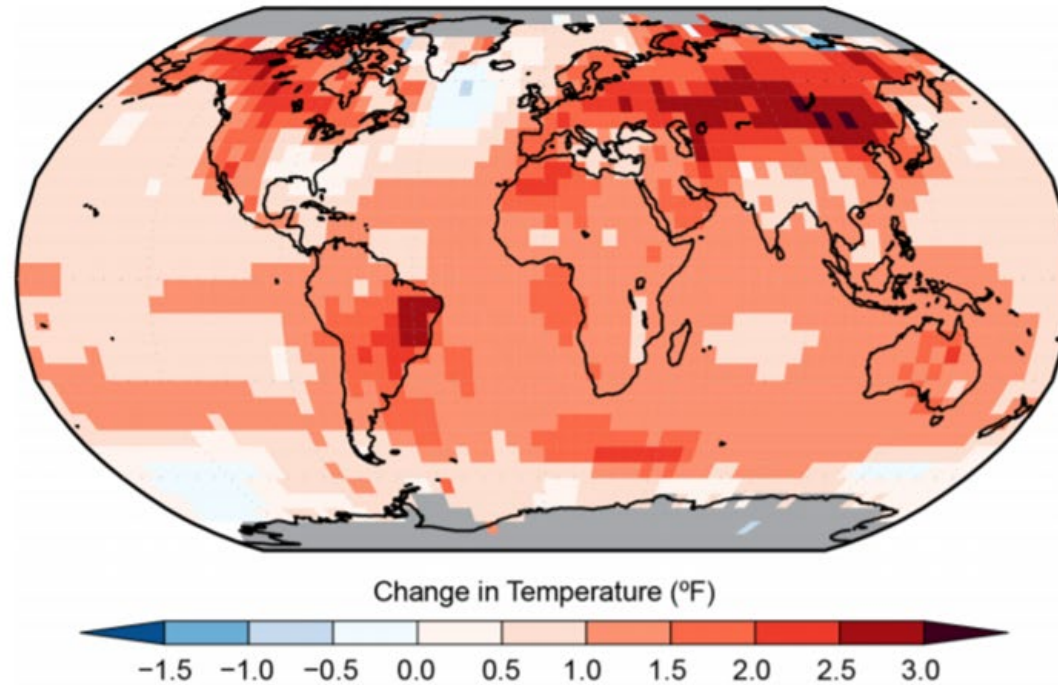
Joel Bumol, MD, FAAFP  
Albert Einstein College of Medicine

Kellia J. Hansmann, MD, MPH  
University of Wisconsin – Madison

Nancy Newman, MD  
Hennepin Family Medicine Residency

# Climate Change 101

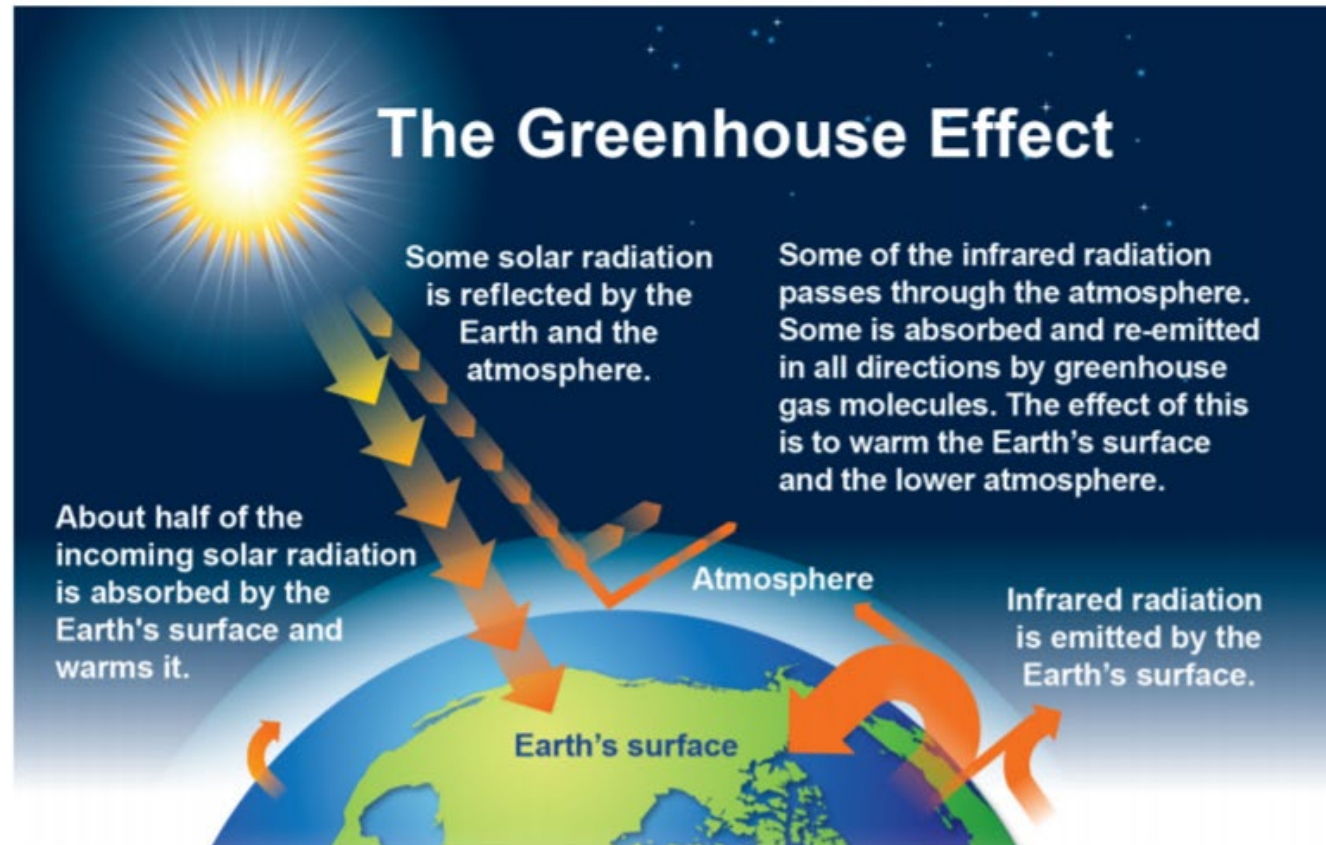
## Average Global Temperature Is Increasing



**Figure A5.15:** This map shows the observed changes in temperature for the 1986 to 2015 period relative to the 1901–1960 average. Shades of red indicate warming, while shades of blue indicate cooling. There are insufficient data in the Arctic Ocean and Antarctica for computing long-term changes. There are substantial regional variations in trends across the planet, though the overall trend is warming. Source: Vose et al. 2012.<sup>20</sup>

# Climate Change 101

## The Greenhouse Effect



# Climate Change 101

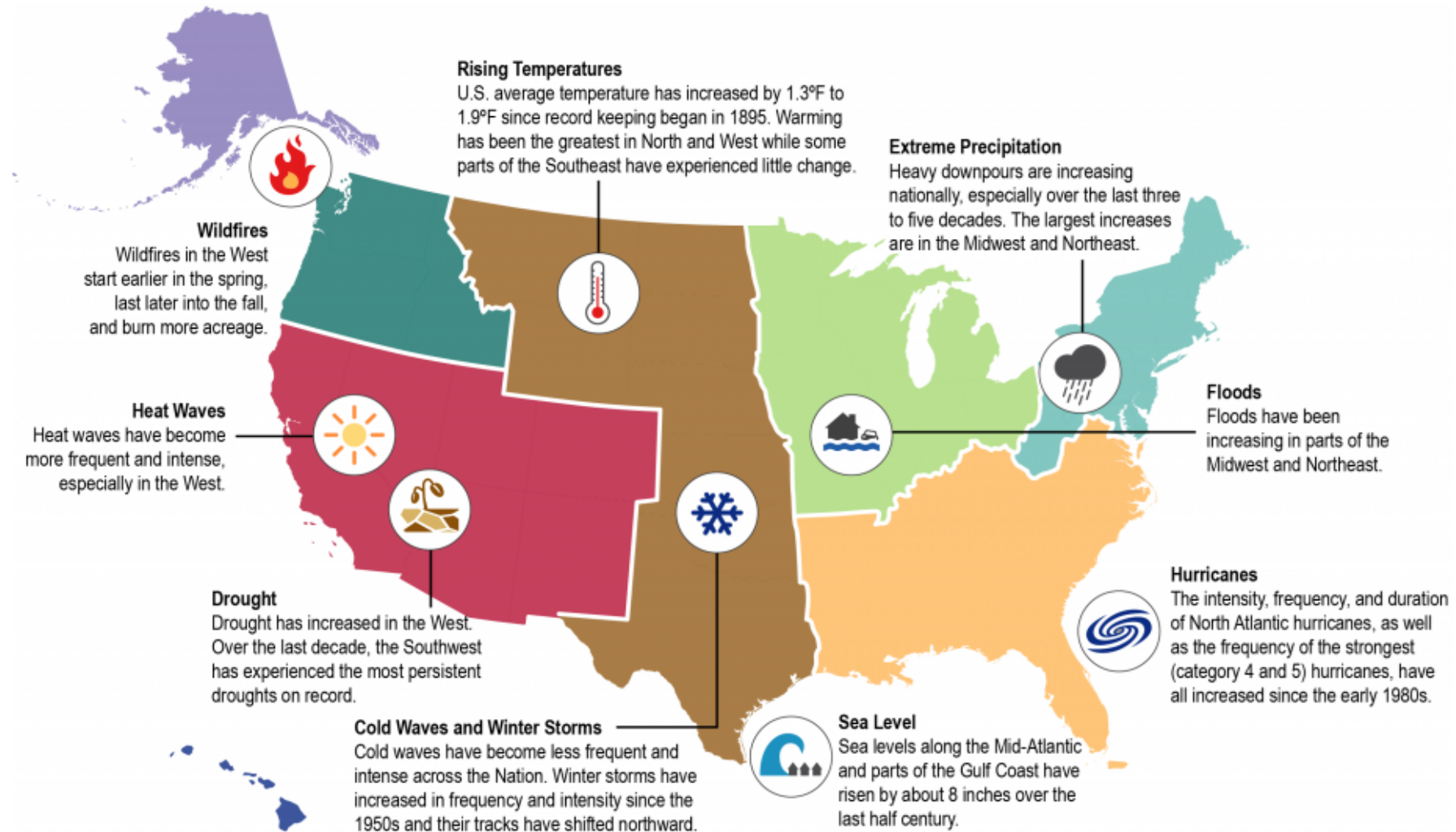


Figure credit: US Global Change Research Project *Climate and Health Assessment*



# Impact of Climate Change on Human Health

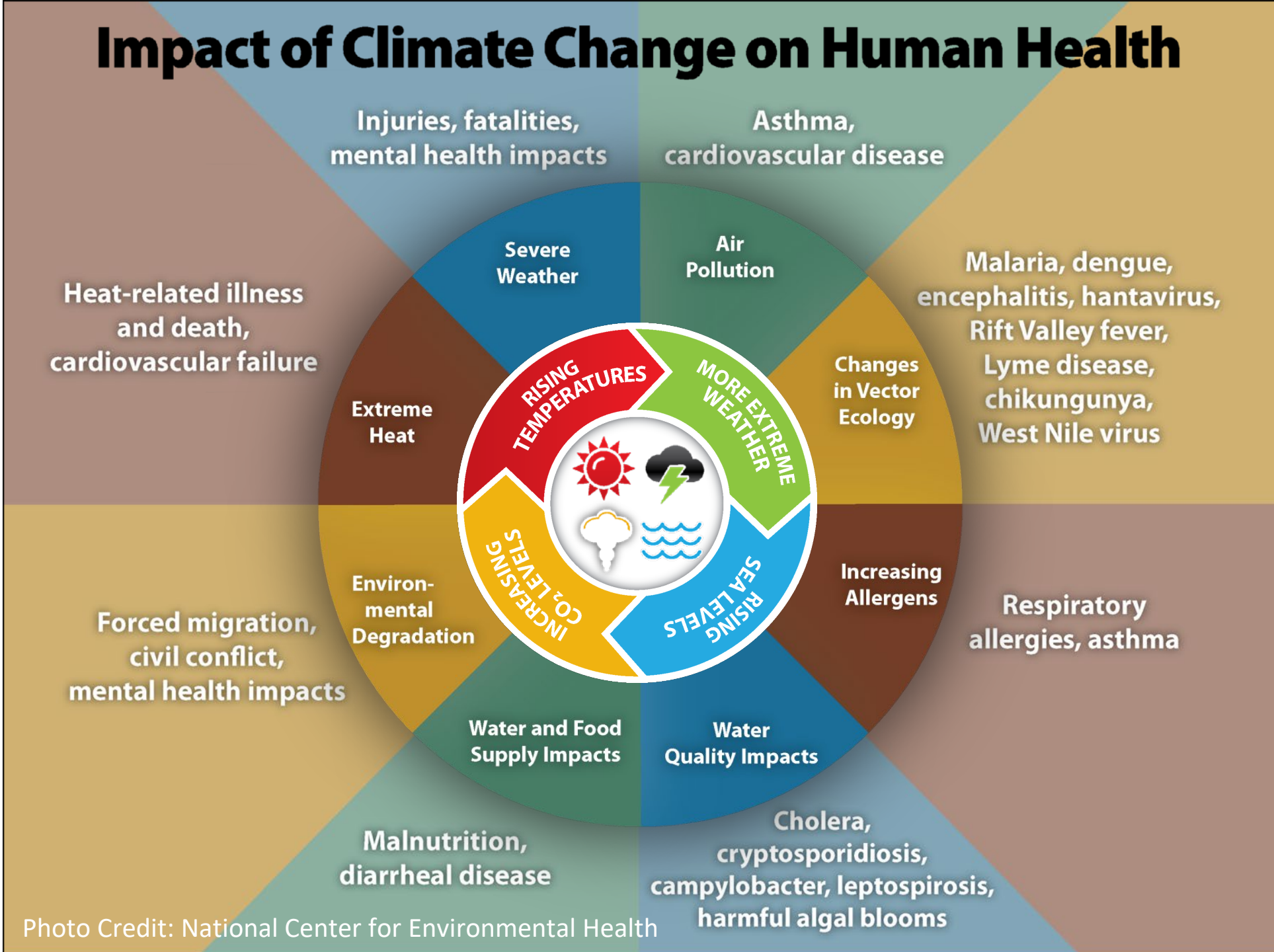
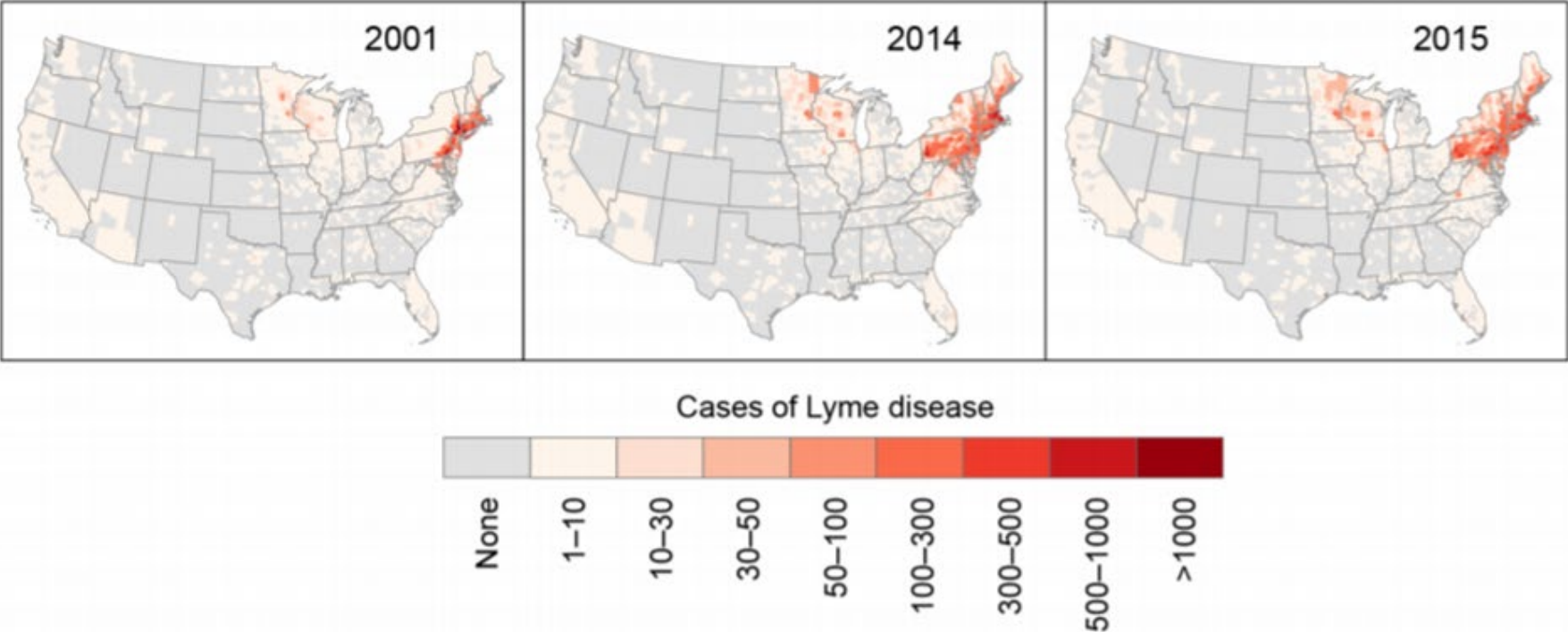


Photo Credit: National Center for Environmental Health

# Climate Change and Vector-borne Diseases

## Lyme Disease Cases Increase Under Warmer Conditions



**Figure A5.32:** Reported cases of Lyme disease in 2001, 2014, and 2015 are shown by county for the contiguous United State Both the distribution and total number of cases have increased from 2001 to 2014 and 2015, particularly in the Midwest ar Northeast. Sources: CDC and ERT, Inc.

Figure Credit: Fourth National Climate Assessment

# Climate Change and Health Equity: The Climate Gap

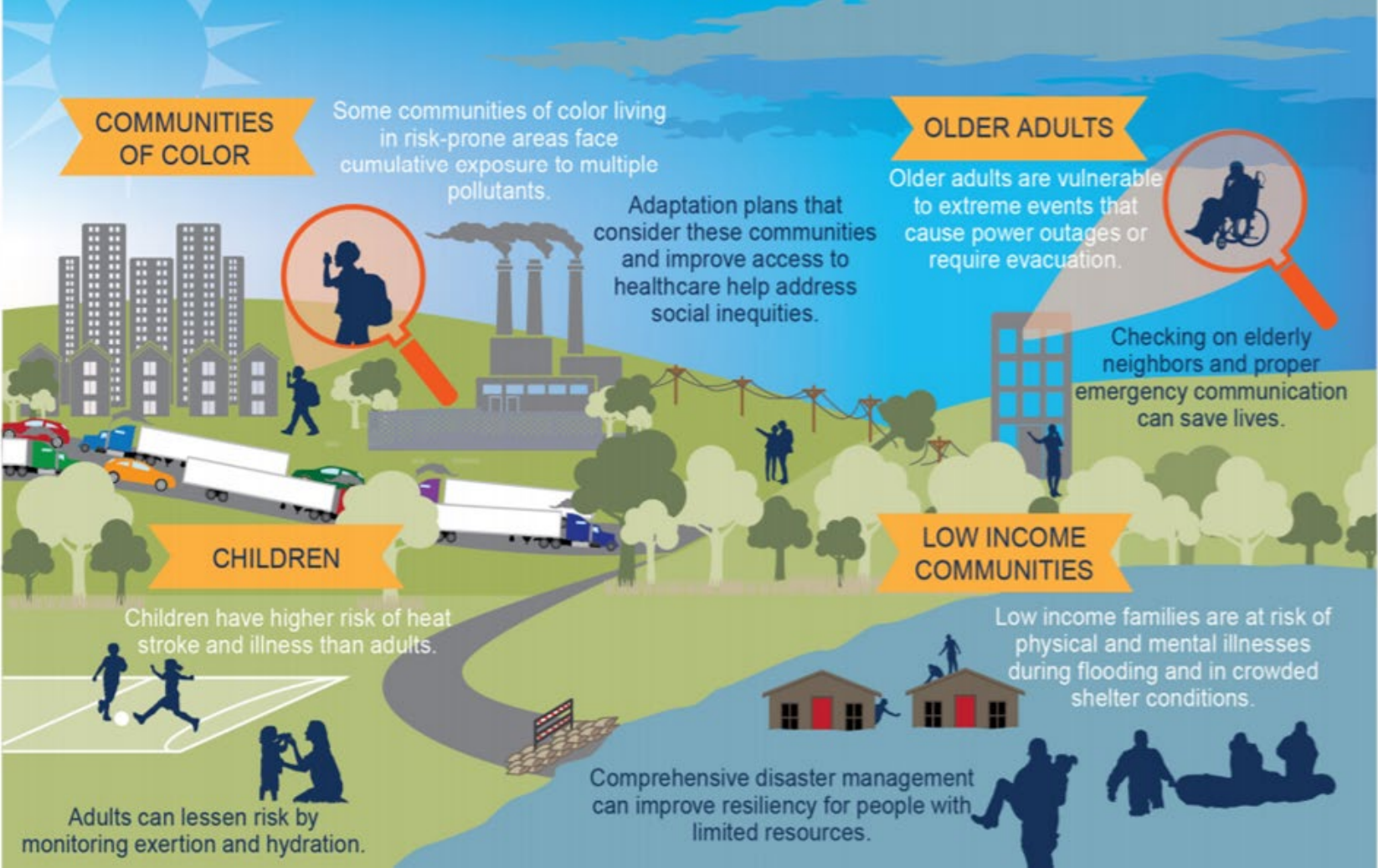


Figure Credit: Fourth National Climate Assessment



# Impact of Climate Change on Human Health

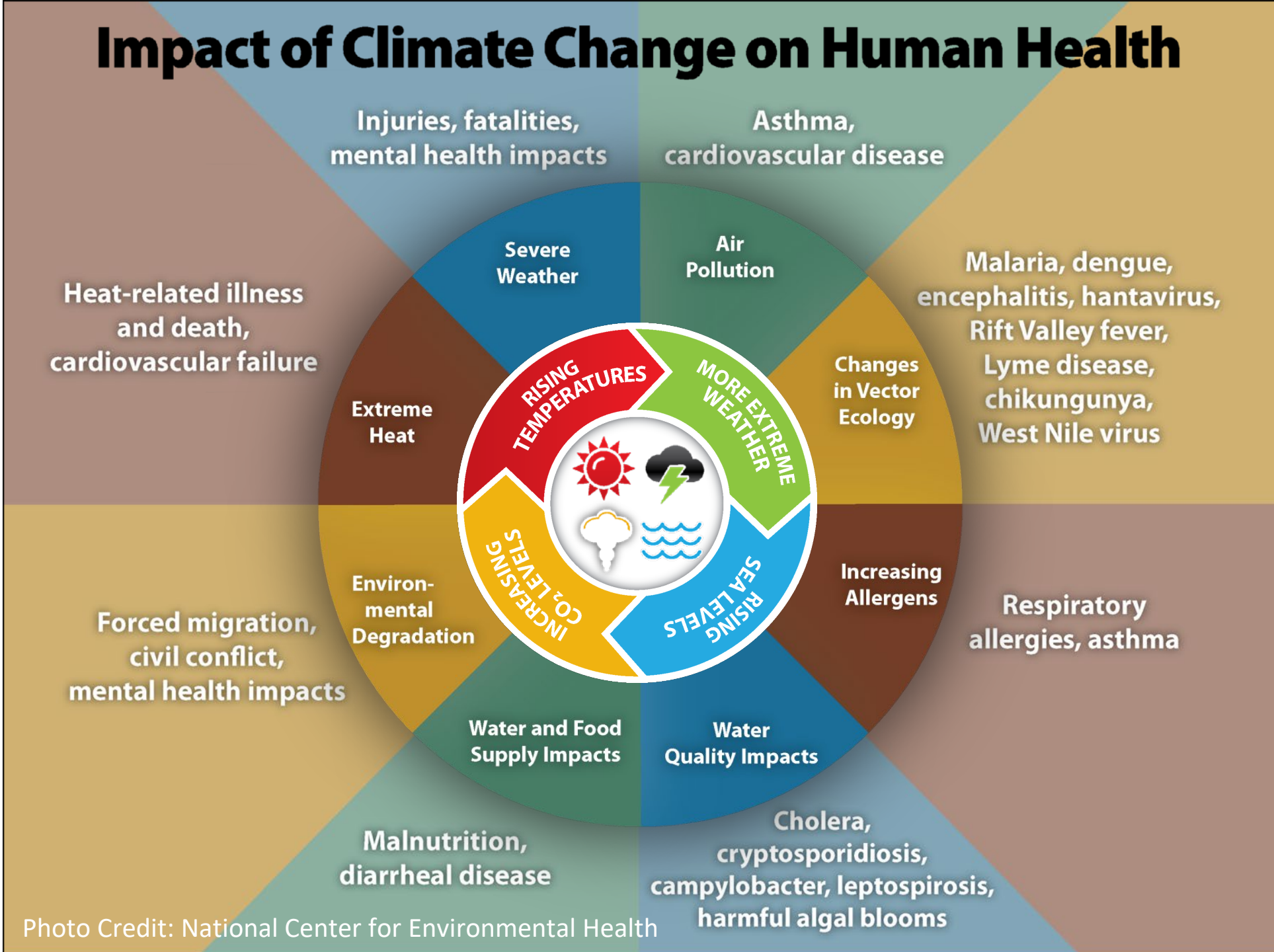
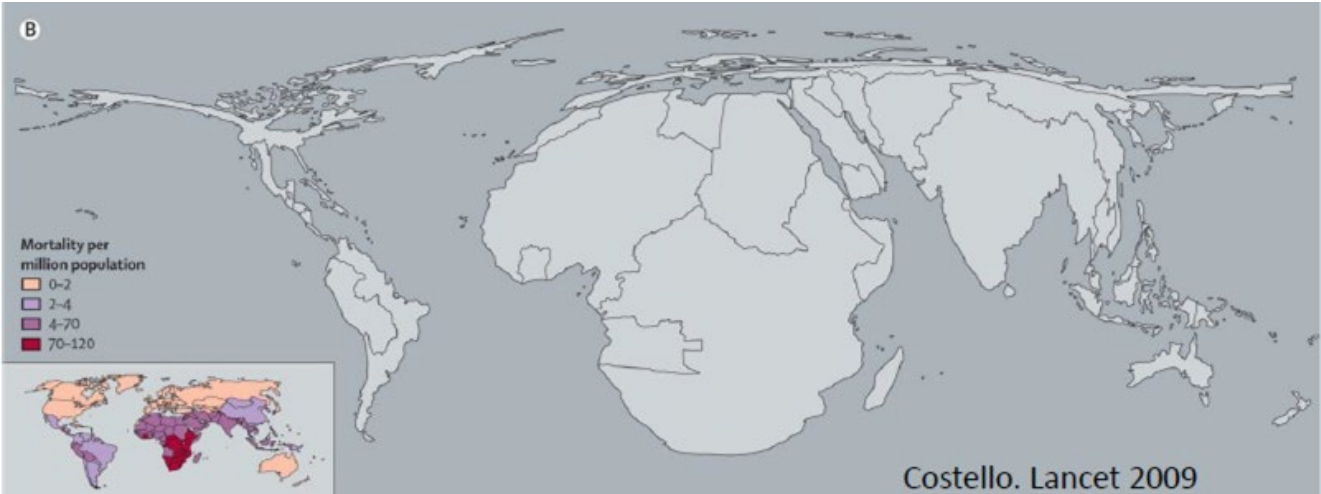


Photo Credit: National Center for Environmental Health



# Climate Change and Health Equity: The Climate Gap



Co-benefit solutions: healthy people, healthy places, healthy planet



# Health Provider Role in Climate Change, Health and Equity



Eat less meat, especially red meat  
Walk, bike, use transit  
Clean energy, energy efficiency



Green your clinic or hospital  
Grand rounds presentation  
Policy statement or resolution



Patient education  
Care plans and protocols  
Home assessments



Write an Op-ed or Letter to the Editor  
Tv and radio interviews



Community presentations  
Local zoning and development



Legislative visits  
Policy testimony



# Health provider voice is critical



## A Physician's Guide to Climate Change, Health and Equity

July 2016



## Acknowledgments

Joel Bumol, MD

Nancy Newman, MD

Catherine Harrison, MPH

Public Health Institute

Center for Climate Change and Health



Center for  
**Climate Change & Health**



# References

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