



**WEATHERING  
CHANGE**

# Logistics



If you have a question, please write it in the Q&A section (not Chat) and select to All Panelists, so we can see the questions.



If you are having technical difficulty, please use Chat and send to Host, so we can address the issue with you directly.



The presentation will be recorded and posted to the Antioch website within a week [www.communityresilience-center.org](http://www.communityresilience-center.org)



ANTIOCH UNIVERSITY NEW ENGLAND  
**Center for Climate Preparedness  
and Community Resilience**



Strengthen communities to prepare, respond and recover in the face of climate impacts and other disruptions through collaborative, innovative solutions.

[communityresilience-center.org](https://communityresilience-center.org)

Abi Abrash Walton, PhD.  
Co-Director of the Center for Climate Preparedness & Community Resilience

# Climate Change Resilience

... a series of online courses focused on the fundamentals of climate change resilience.

- Engage in each course for 4 weeks
- Enroll for graduate credit or audit the course
- Increase your skill set in climate resilience for better outcomes
- Discover solutions to local issues you face on the job or in your community.
- Register for one course or the whole series.



<http://www.communityresilience-center.org/climate-change-resilience-series/>

Climate change disproportionately affects communities of color and communities facing poverty. This module will focus on understanding how the intersections of social injustice and climate change can intensify the effect of climate impacts in communities that have been historically marginalized.



**For more information or to register for this course:**

<https://www.antioch.edu/new-england/resources/centers-institutes/center-climate-preparedness-community-resilience/climate-change-resilience-series/>

## SAVE THE DATE

# 2021 Local Solutions: Communities of Practice



## Climate Change: Human Stories of Hope

**Dr. Victoria Herrmann** is the co-founder and Executive Director of Rise Up to Rising Tides. As a National Geographic Explorer, she traveled across the country in 2016 and 2017 interviewing 350 local leaders to identify what's needed most to safeguard coastal communities against the unavoidable impacts of climate change. She has testified before the U.S. Senate, contributes to The Guardian and Scientific American on climate policy, and was named one of the most 100 influential people in climate policy worldwide in 2019 by Apolitical.

**Begins Virtually March 16, 2021**

<https://lp.constantcontactpages.com/su/14YfVqA/FCOP>



Meet the challenges of a changing climate by finding information and tools to help you understand and address your climate risks.

[toolkit.climate.gov](https://toolkit.climate.gov)

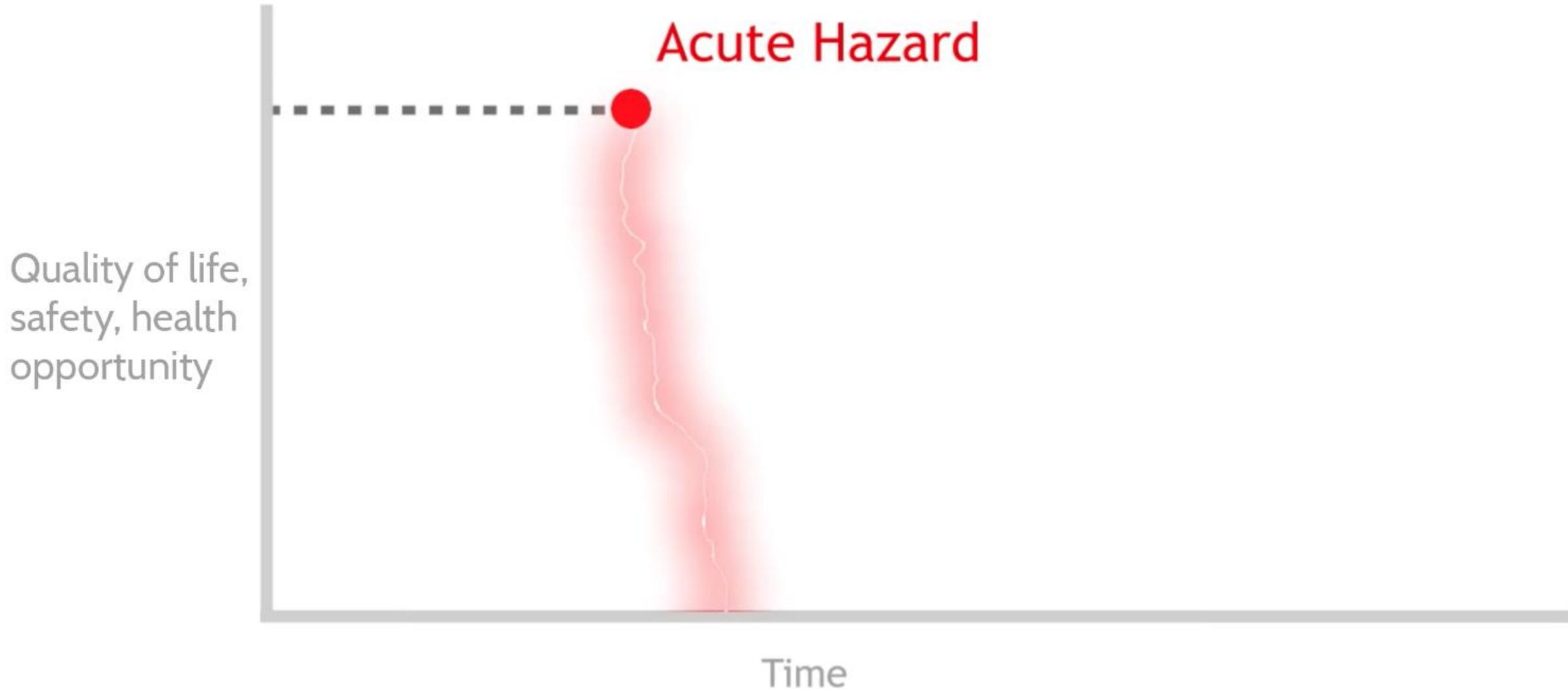
Ned Gardiner, PhD  
Engagement Manager  
U.S. Climate Resilience Toolkit

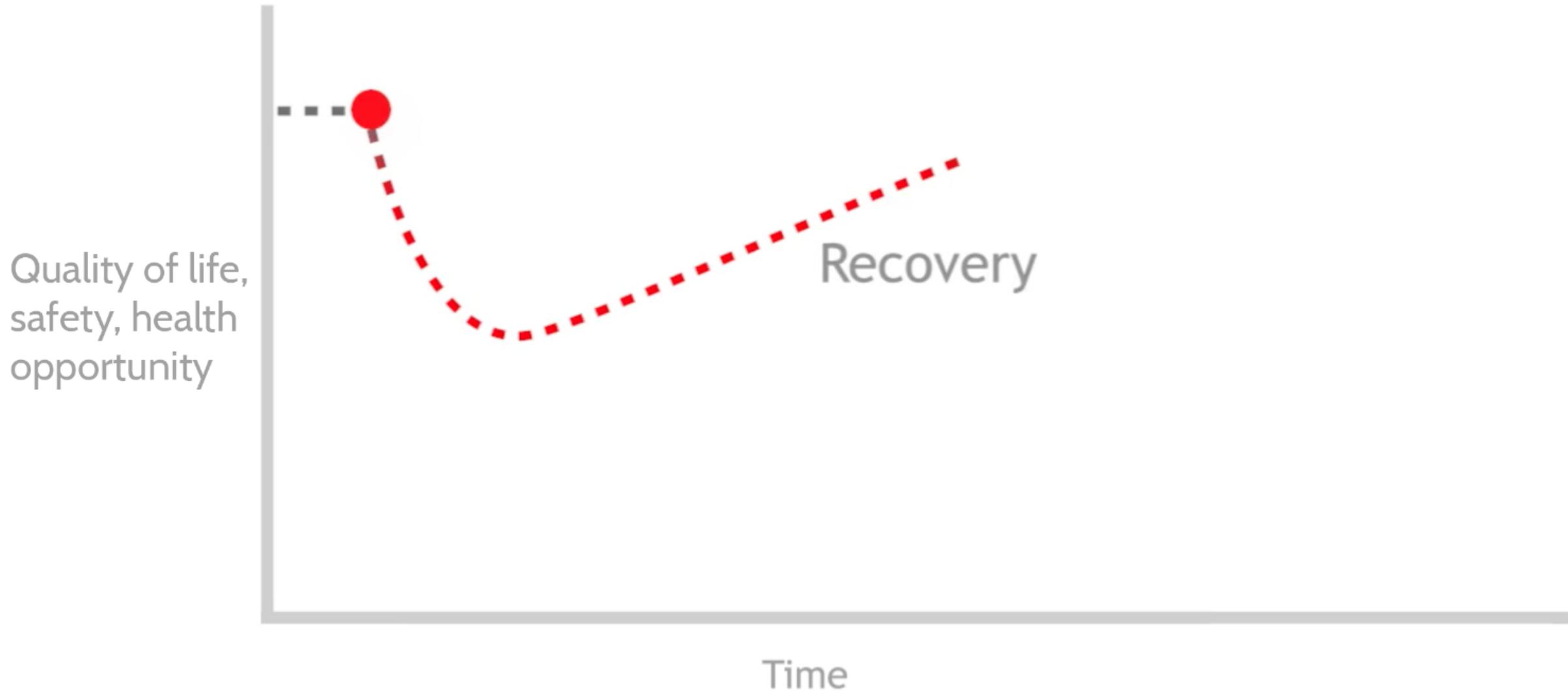


# What is Resilience?

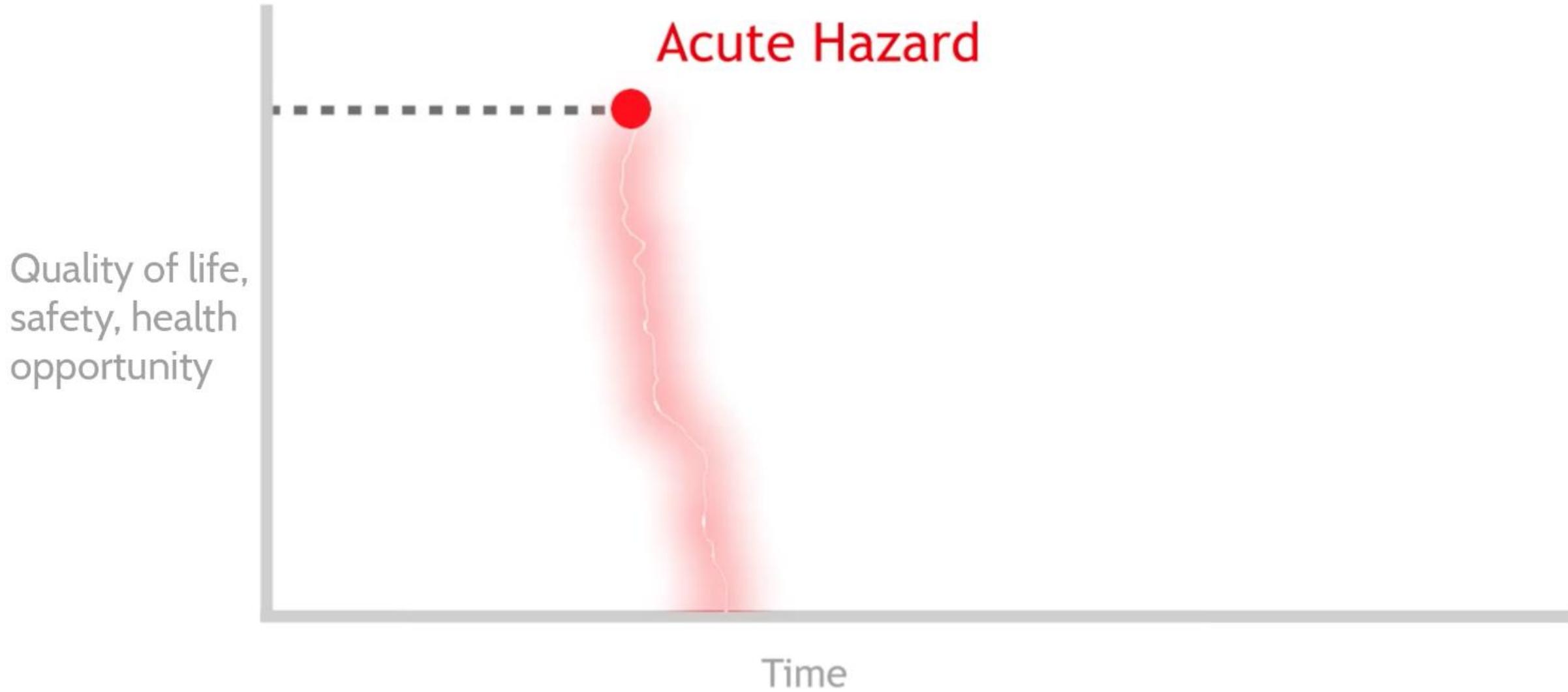
The ability of the natural, human, built or economic system to recover from and withstand impacts from *hazards*



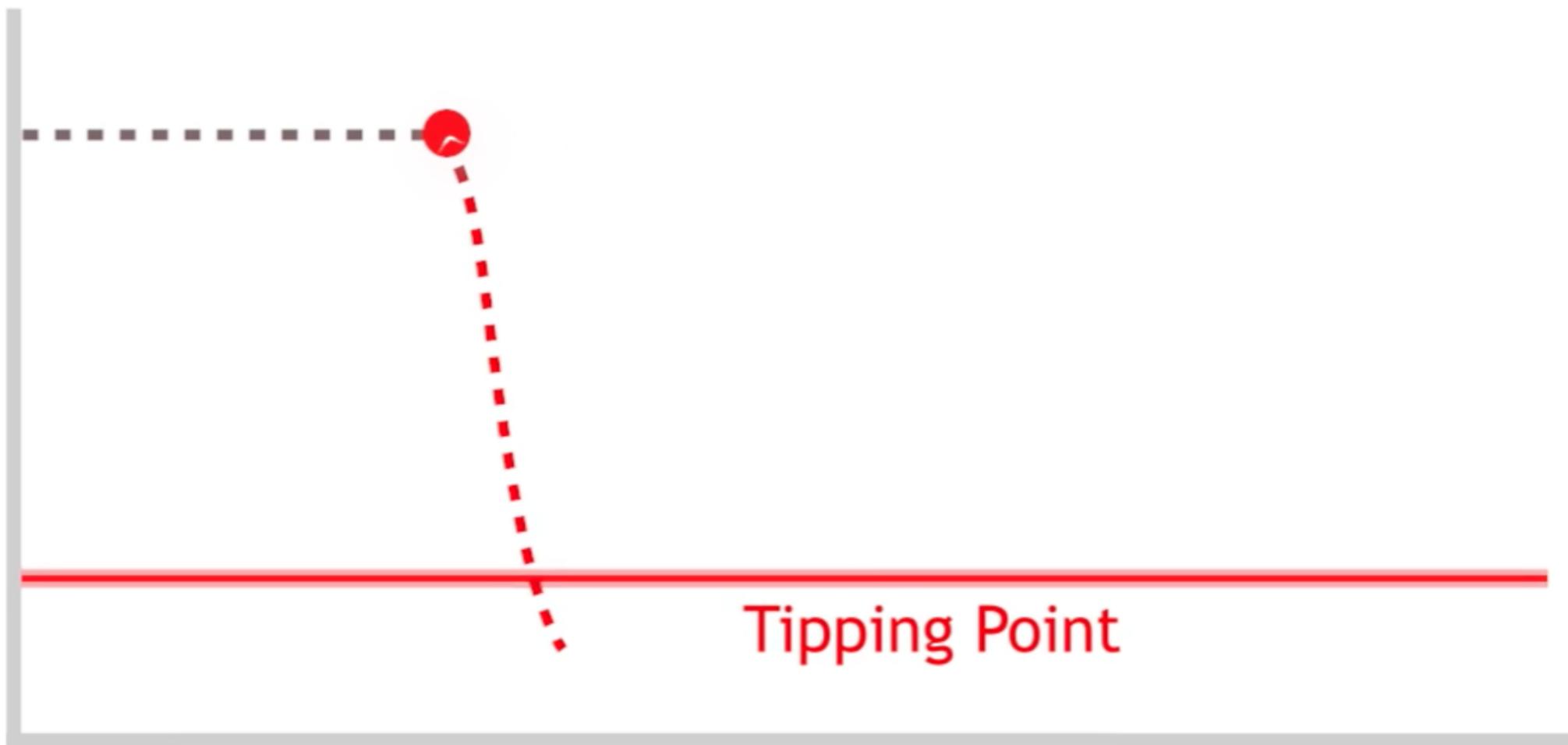






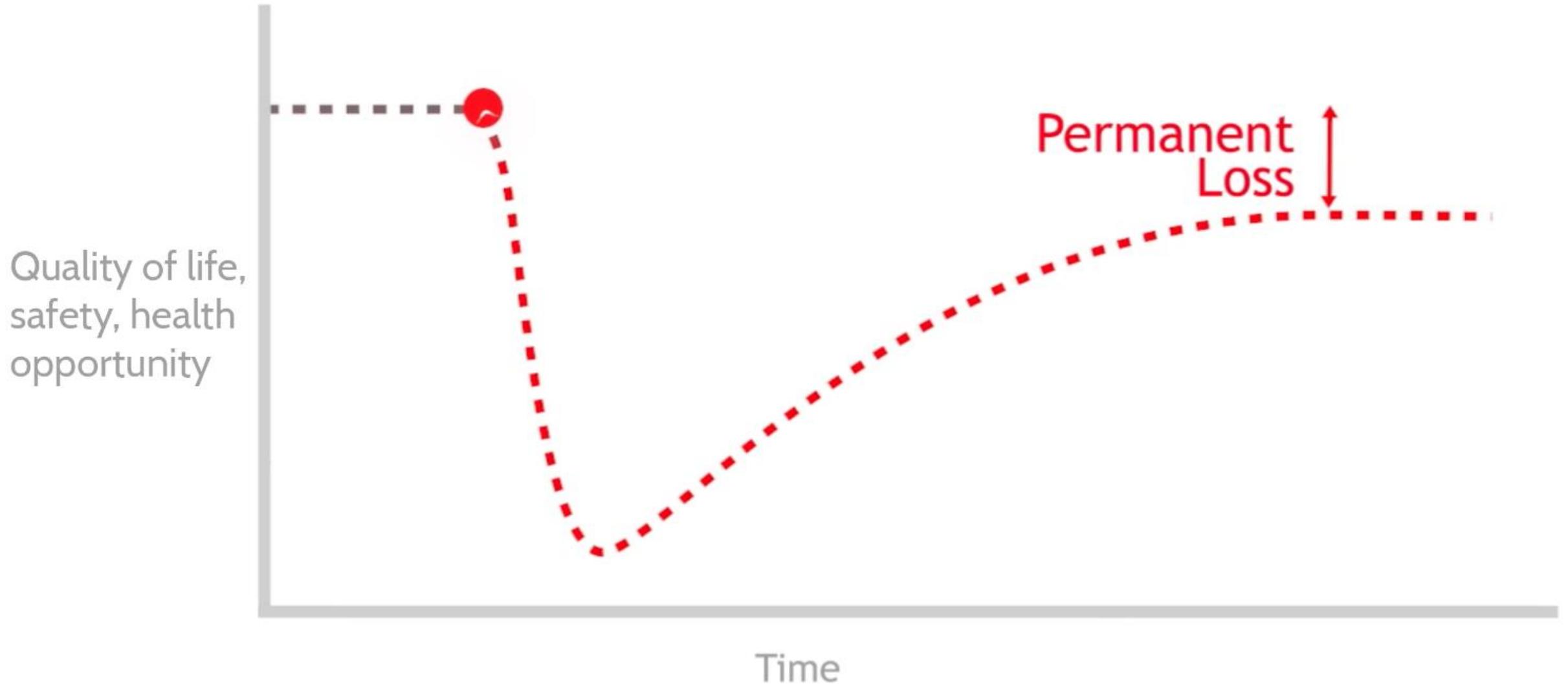


Quality of life,  
safety, health  
opportunity



Time

Tipping Point



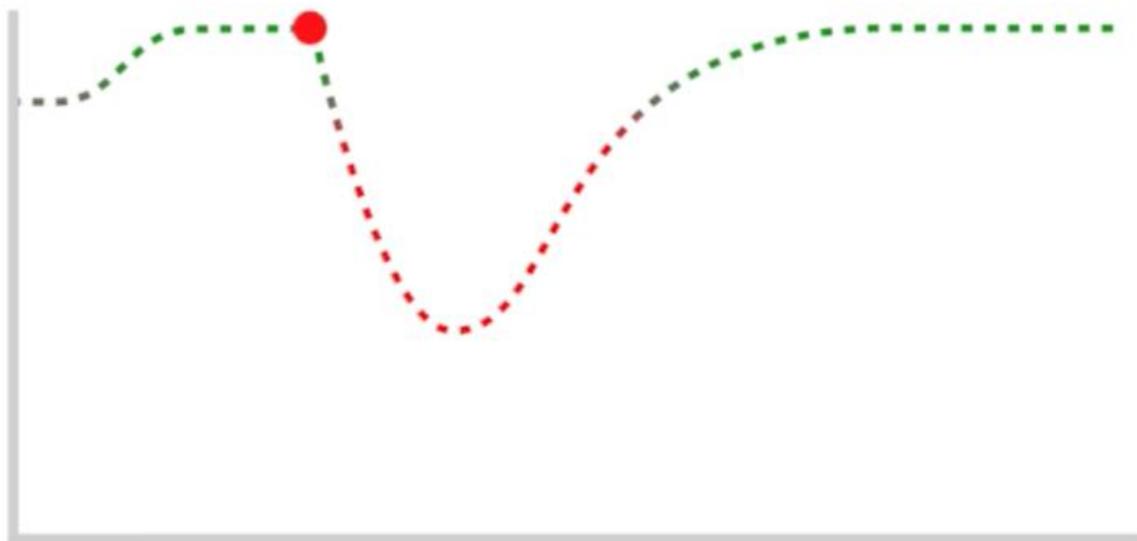
Quality of life,  
safety, health  
opportunity



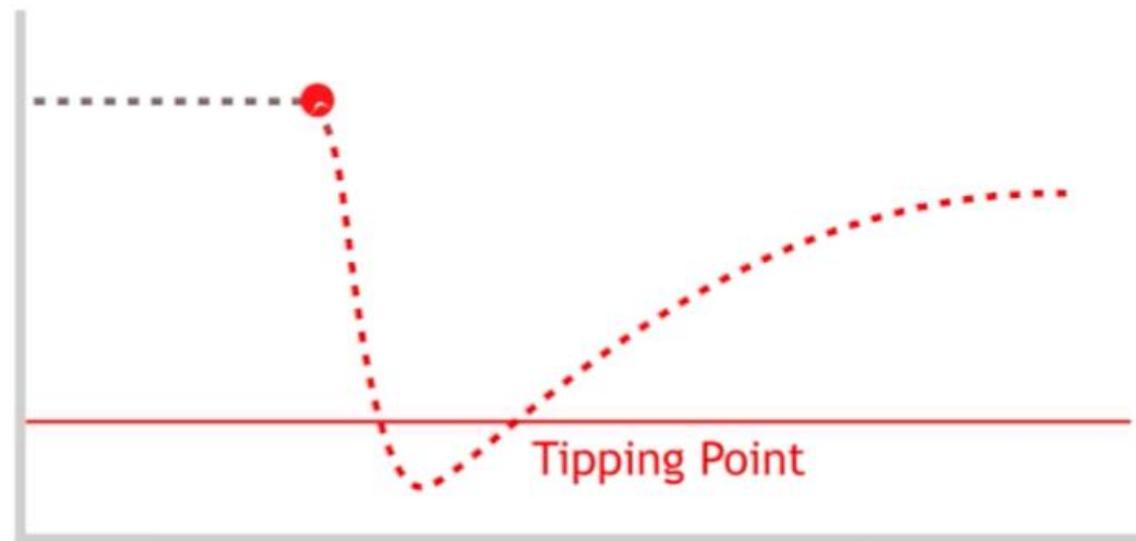
Investments to build resilience

Time

More Resilient



Less Resilient





## Climate resilience complements planning

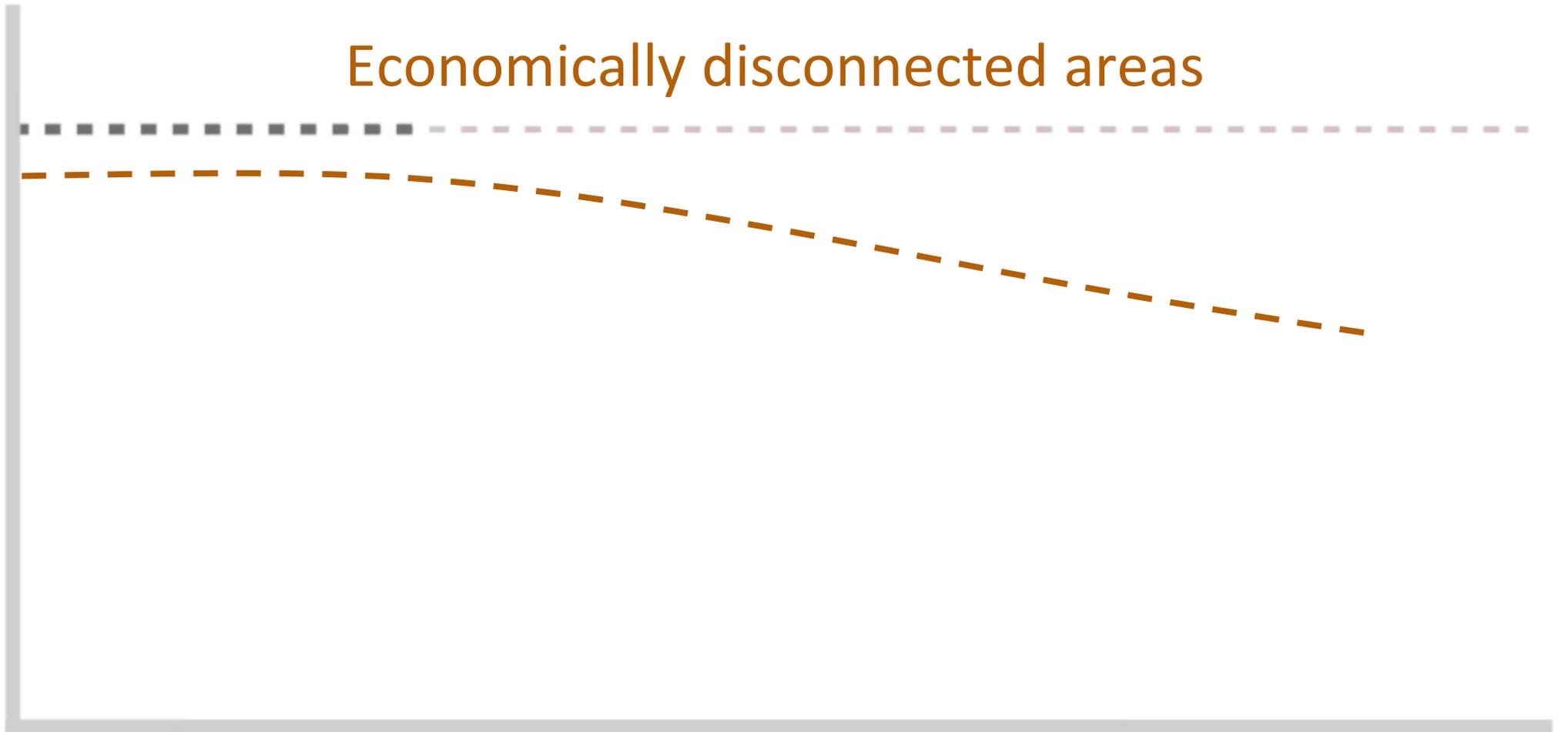
Non-climate stressors affect community resilience and will be incorporated throughout.

Building resilience means smart investing, not getting a “thicker skin” or “toughing it out.”

# Economically disconnected areas

Quality of life,  
safety, health  
opportunity

Time





# The Steps to Resilience

1 Explore Hazards

2 Assess Vulnerability & Risks

3 Investigate Options

4 Prioritize & Plan

5 Take Action

Incorporate  
Climate Risk

Traditional  
Decision Making



Understand how climate variability and change might threaten things you value

1 Explore Hazards

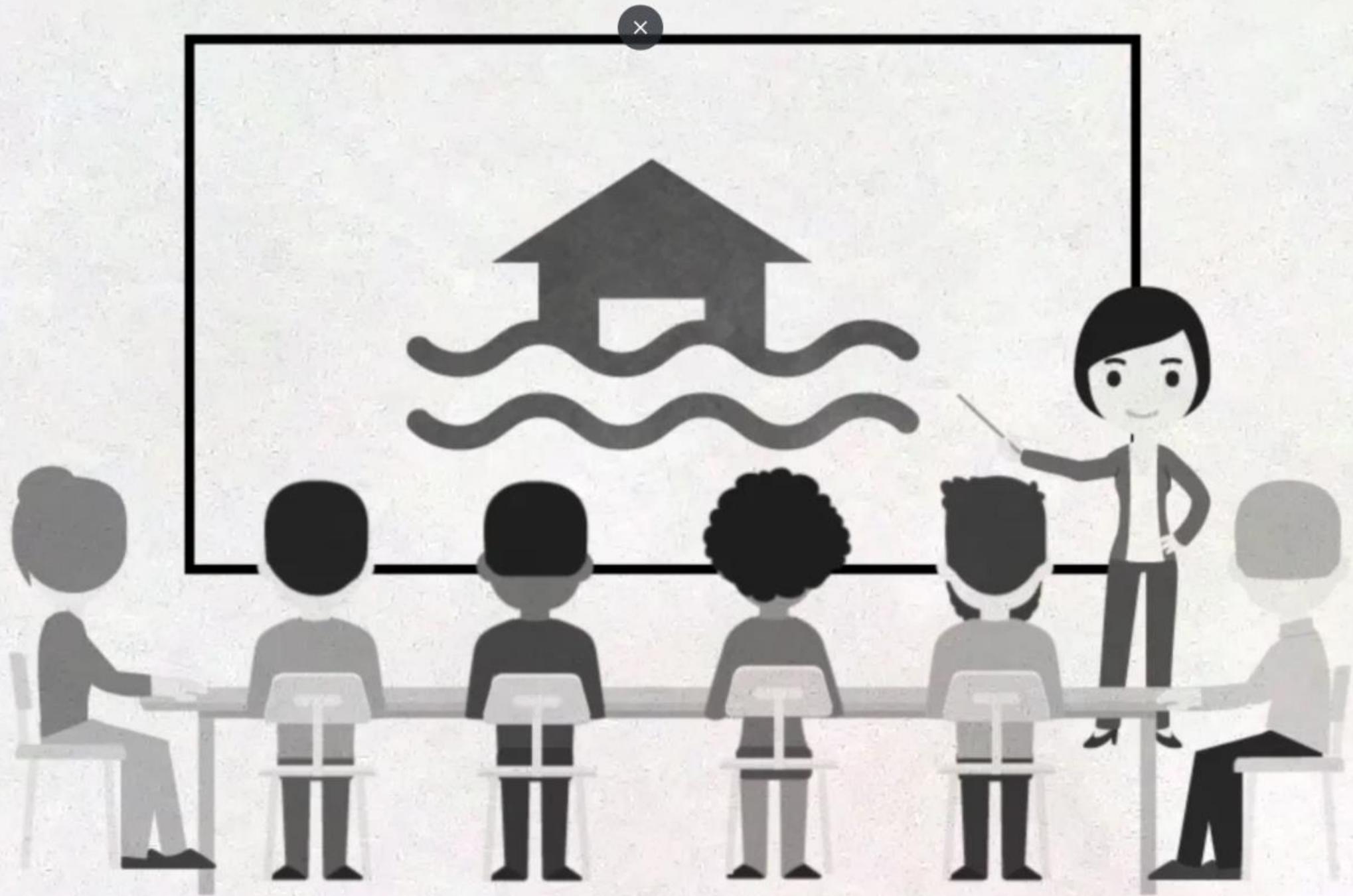


2 Assess Vulnerability & Risks

3 Investigate Options

4 Prioritize & Plan

5 Take Action

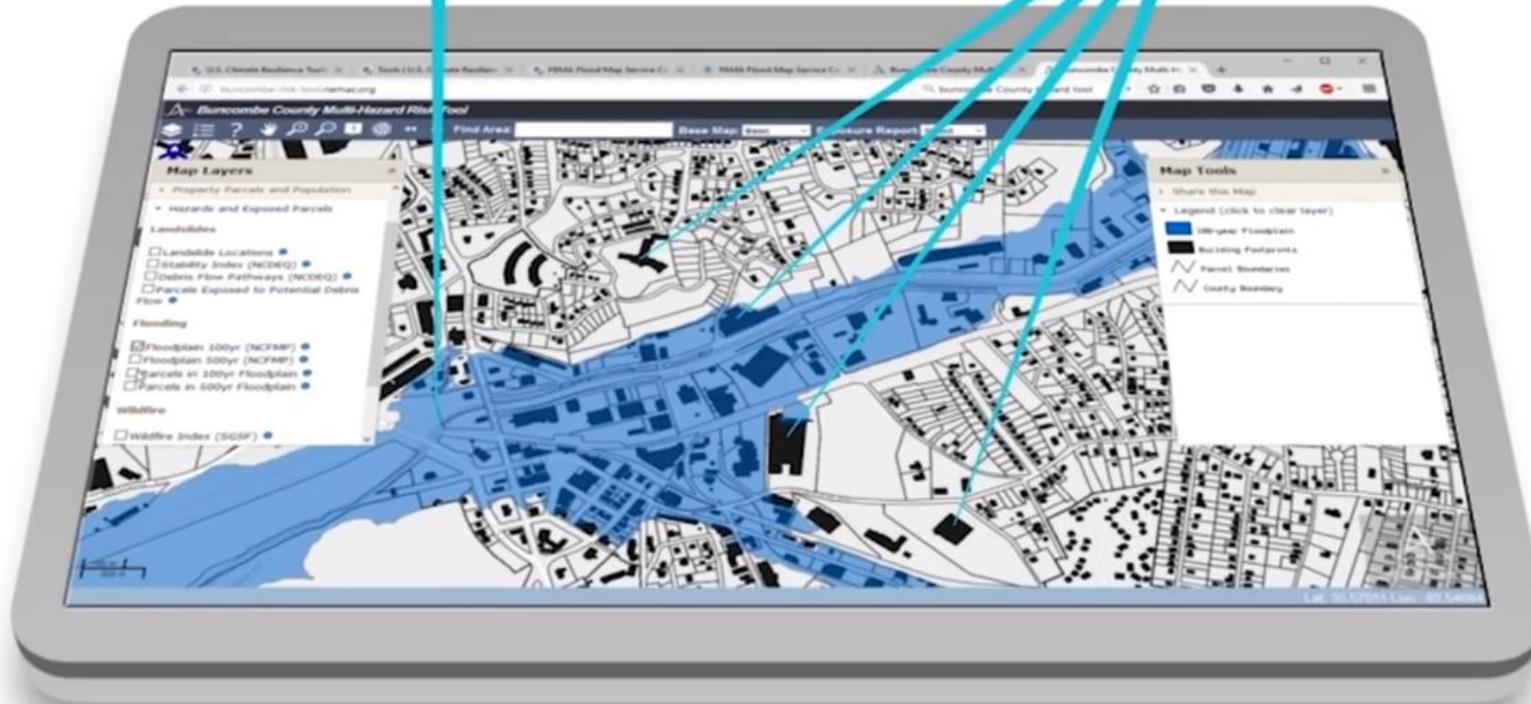


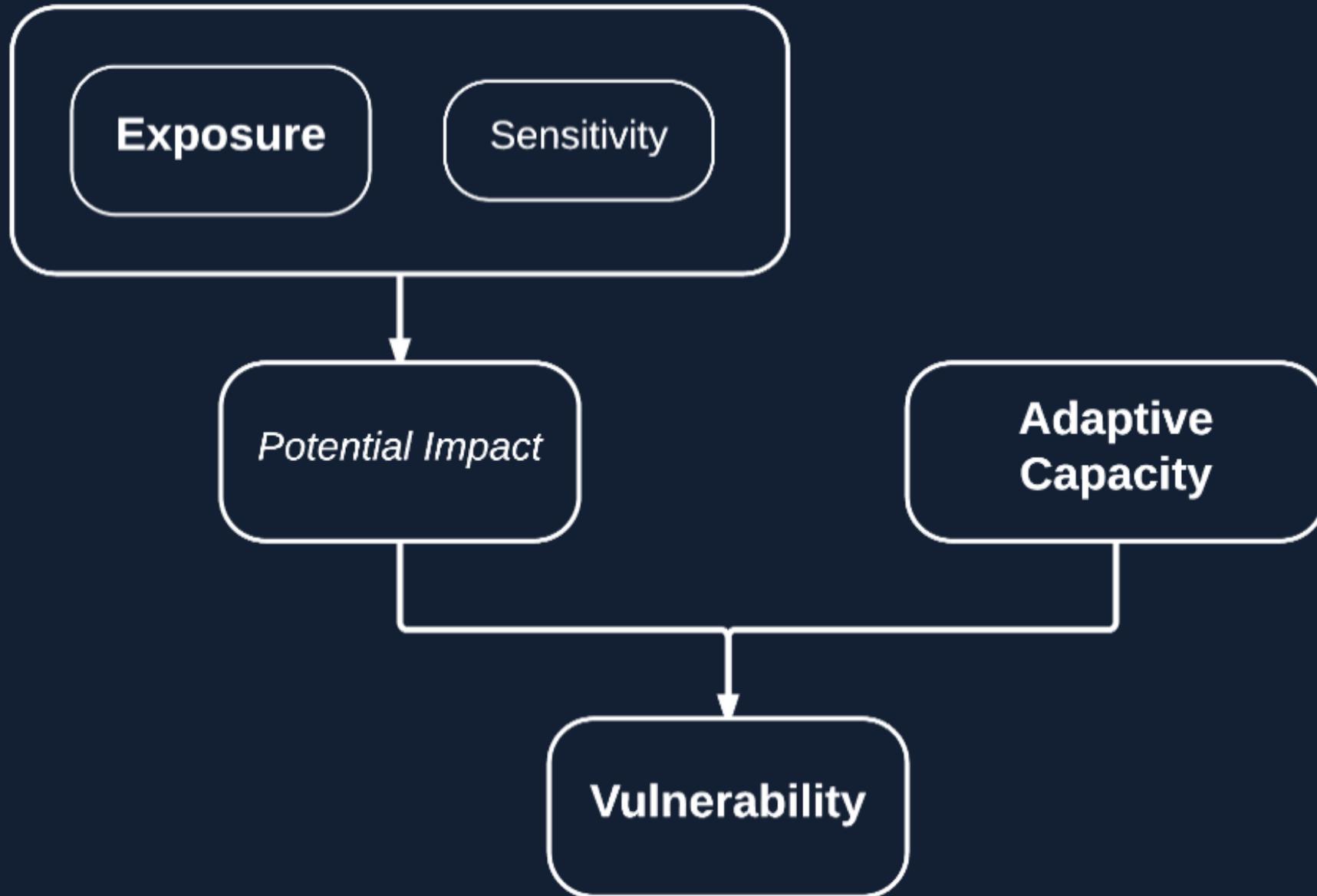


Exposure: The presence of people, assets, and ecosystems in places where they could be adversely affected by hazards.

FEMA Floodplain

Buildings





# Views That Matter: Race and Opinions on Climate Change of Boston Area Residents

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Lorena M. Estrada-Martínez, PhD, MPH

Paul Watanabe, PhD

Katsyris Rivera-Kientz, MS

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# Genesis of the Research Project

## Sustainable Solutions Lab at UMass Boston



# Principles Guiding our Research

Community  
partners

Interdisciplinarity

Not about us,  
without us

Creating  
opportunities for  
young  
researchers

# METHODOLOGY

# Survey

N = 964

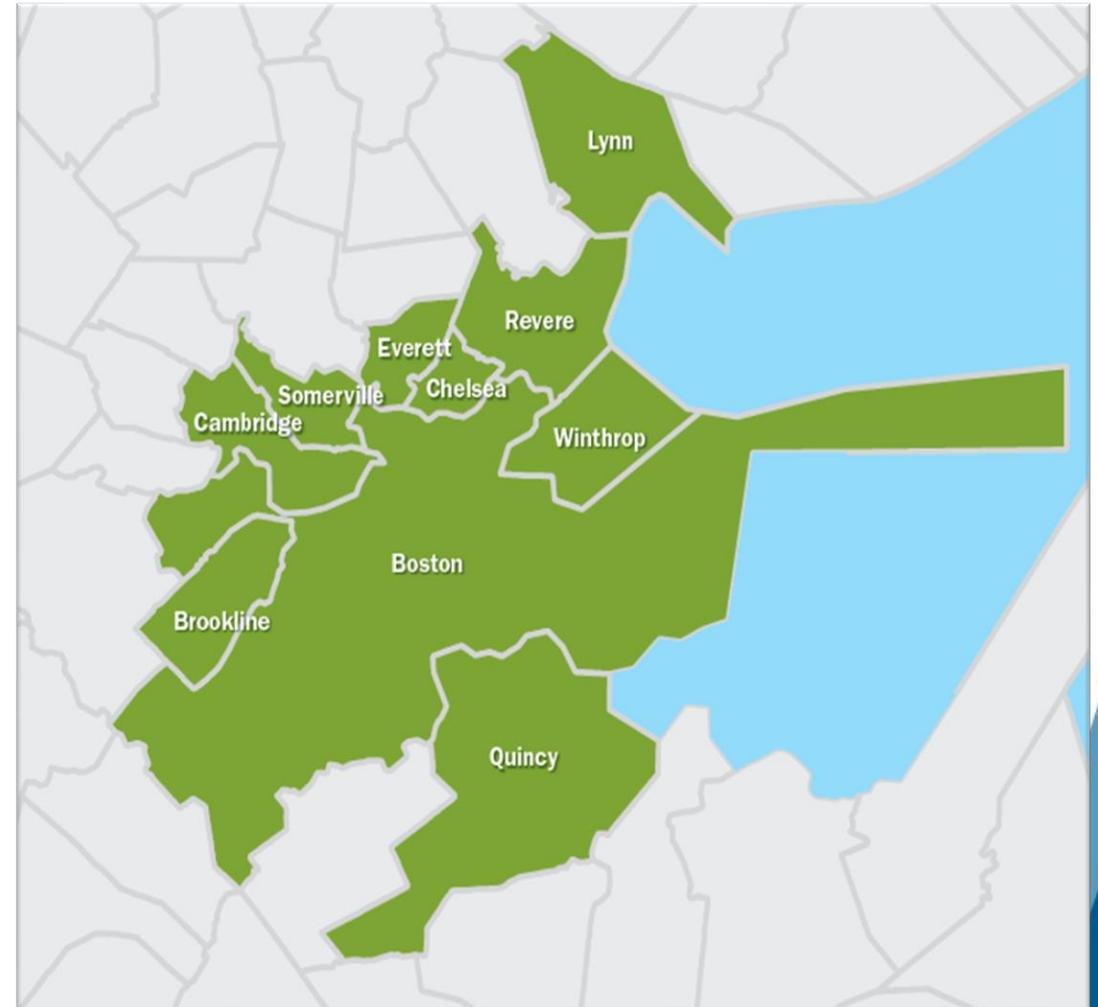
Greater  
Boston  
Residents

Age 18+

English and  
Spanish

Telephone &  
internet  
panel

Oct 8 – Nov  
9, 2019



# Survey Topics

Demographics

Perceived ecological  
and health-related  
impacts

Seriousness of the  
issue

Cause of climate  
change

Capacity to stop the  
future effects

Level of preparedness

Policy support

Federal, state, and  
local government  
action

# Focus Groups

8 virtual sessions  
10-12 participants each

UMASS Boston Institutes &  
Community Partners

2 sessions: Asians, Blacks  
and Latinos/as  
1 session: Native  
Americans, mixed group

English, Spanish, Haitian  
Creole, Cantonese,  
Mandarin

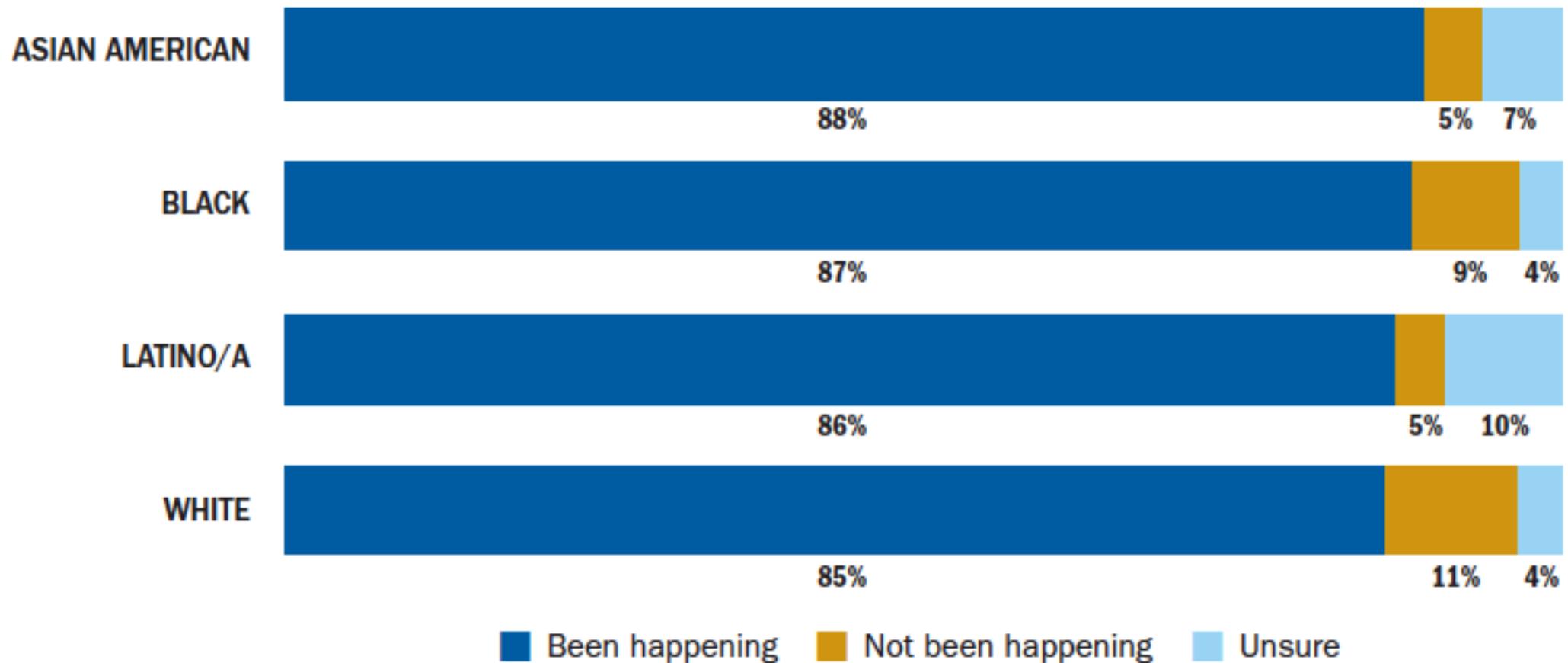
# SURVEY RESULTS

Comparing across racial/ethnic group

# **PERCEPTIONS OF REALITY, SERIOUSNESS**

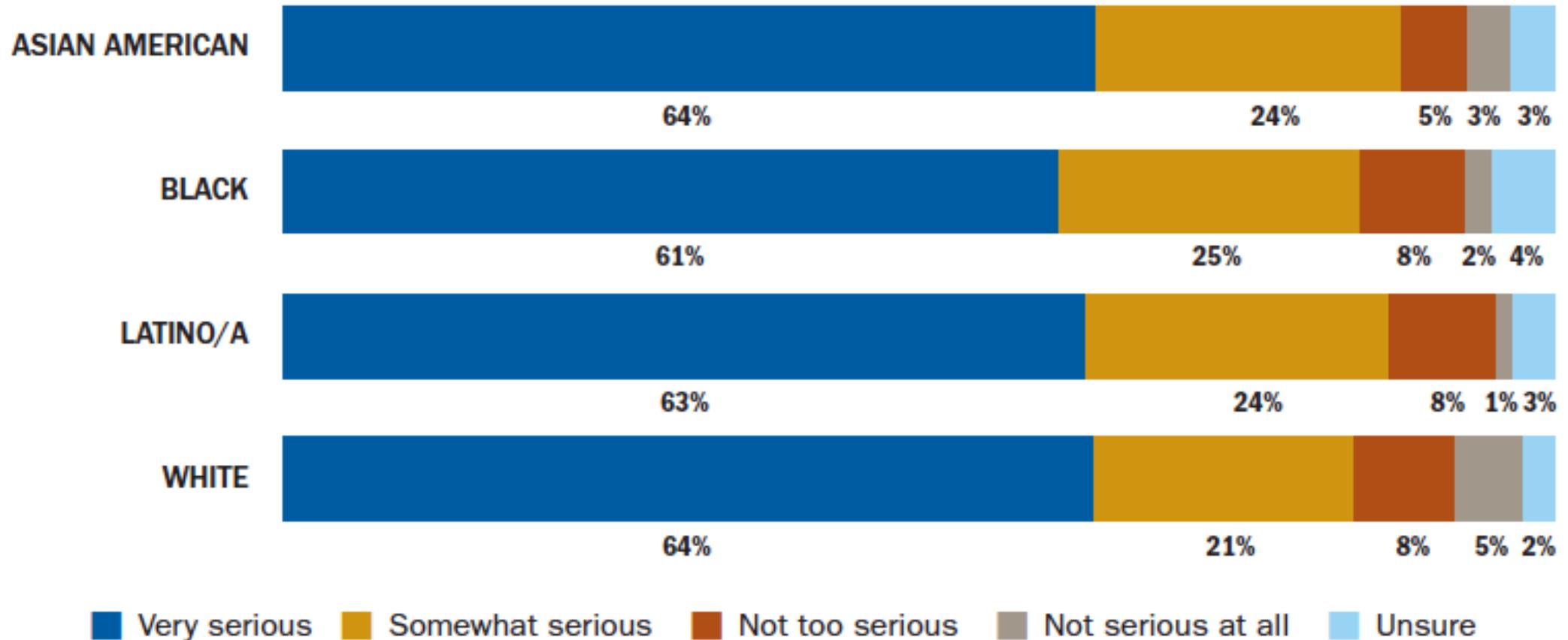
# Is climate change real?

You may have heard about the idea that the world's temperature has been going up slowly over the past 100 years, often called climate change or global warming. Do you think this has...



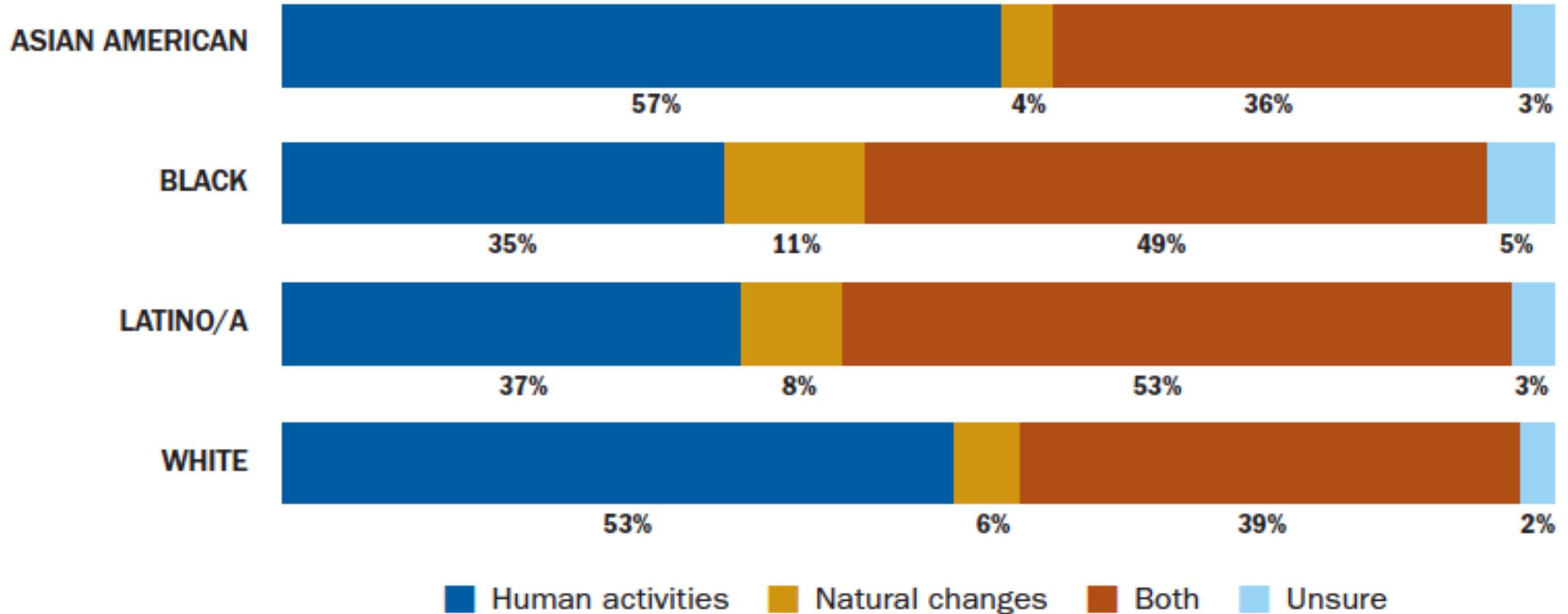
# Seriousness if unaddressed

If nothing is done to reduce climate change in the future, how serious of a problem do you think it will be for Massachusetts?



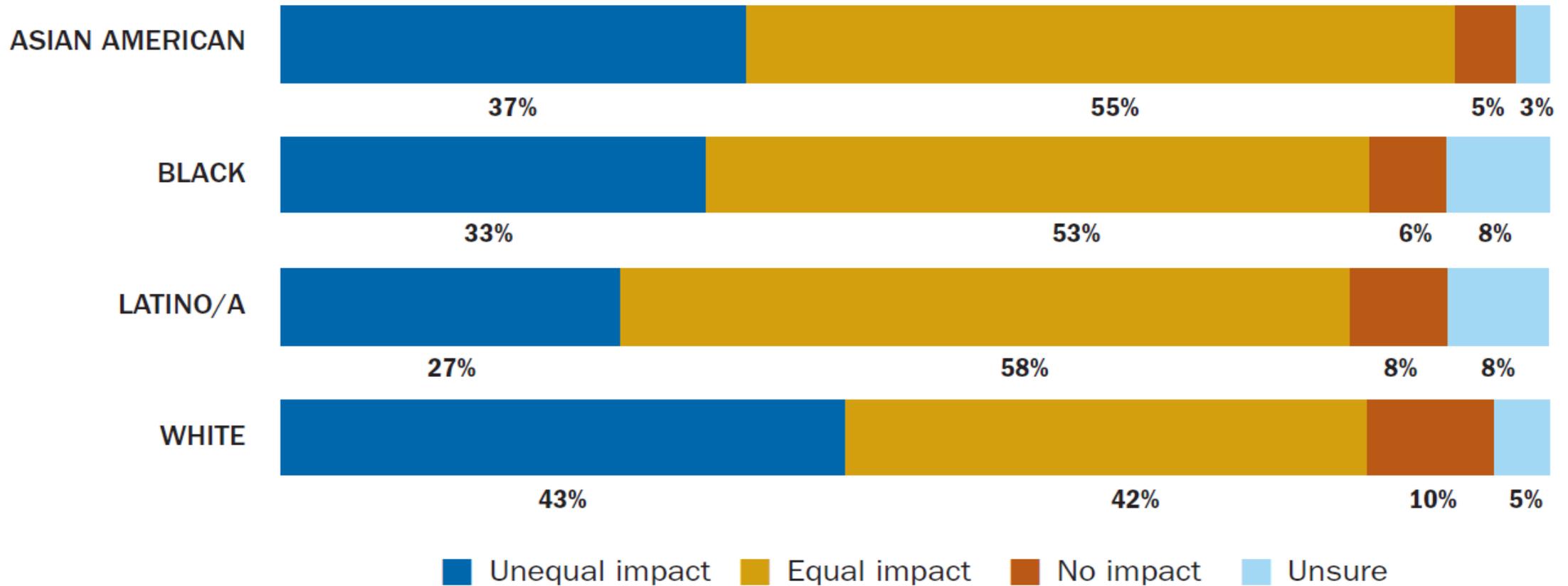
# Causes of climate change

Do you believe climate change is due to \_\_\_\_\_ ?



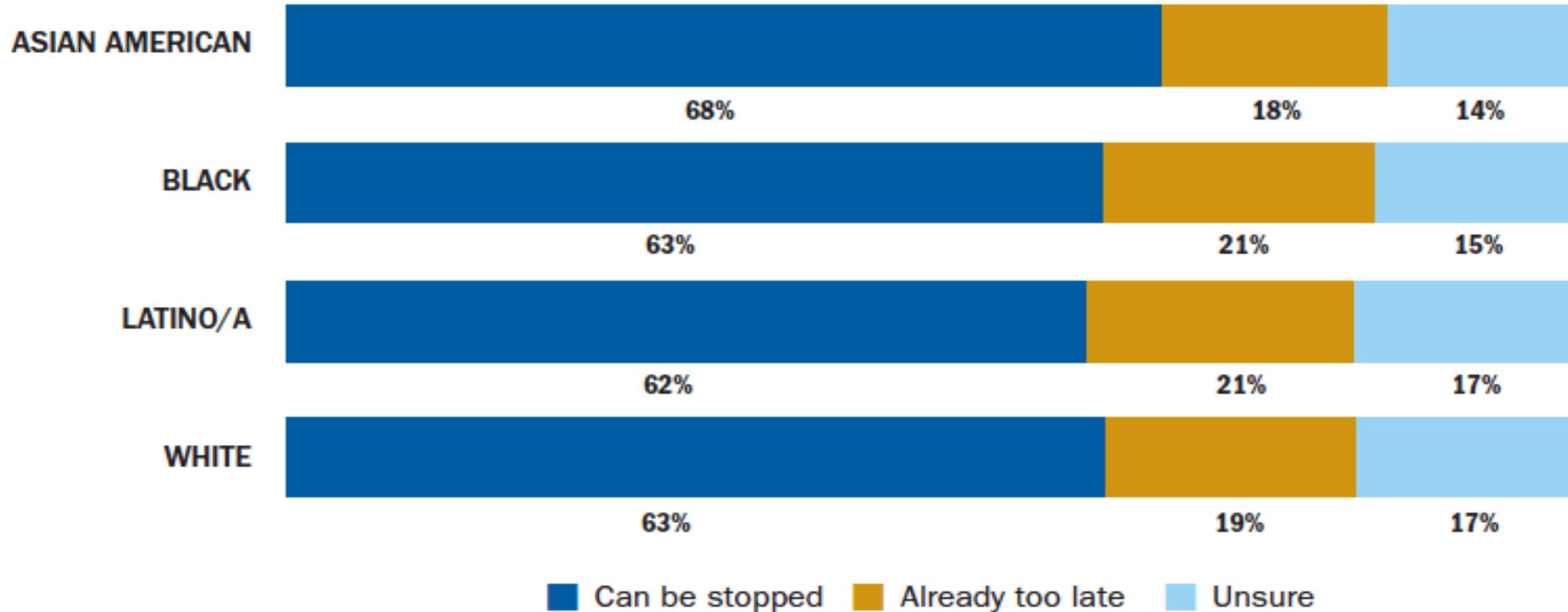
# Will climate change impact us equally?

Climate change will cause...



# Is it too late to stop climate change?

If global action were taken to try to stop climate change by reducing carbon emissions, do you think future effects of climate change could be stopped or is it already too late?

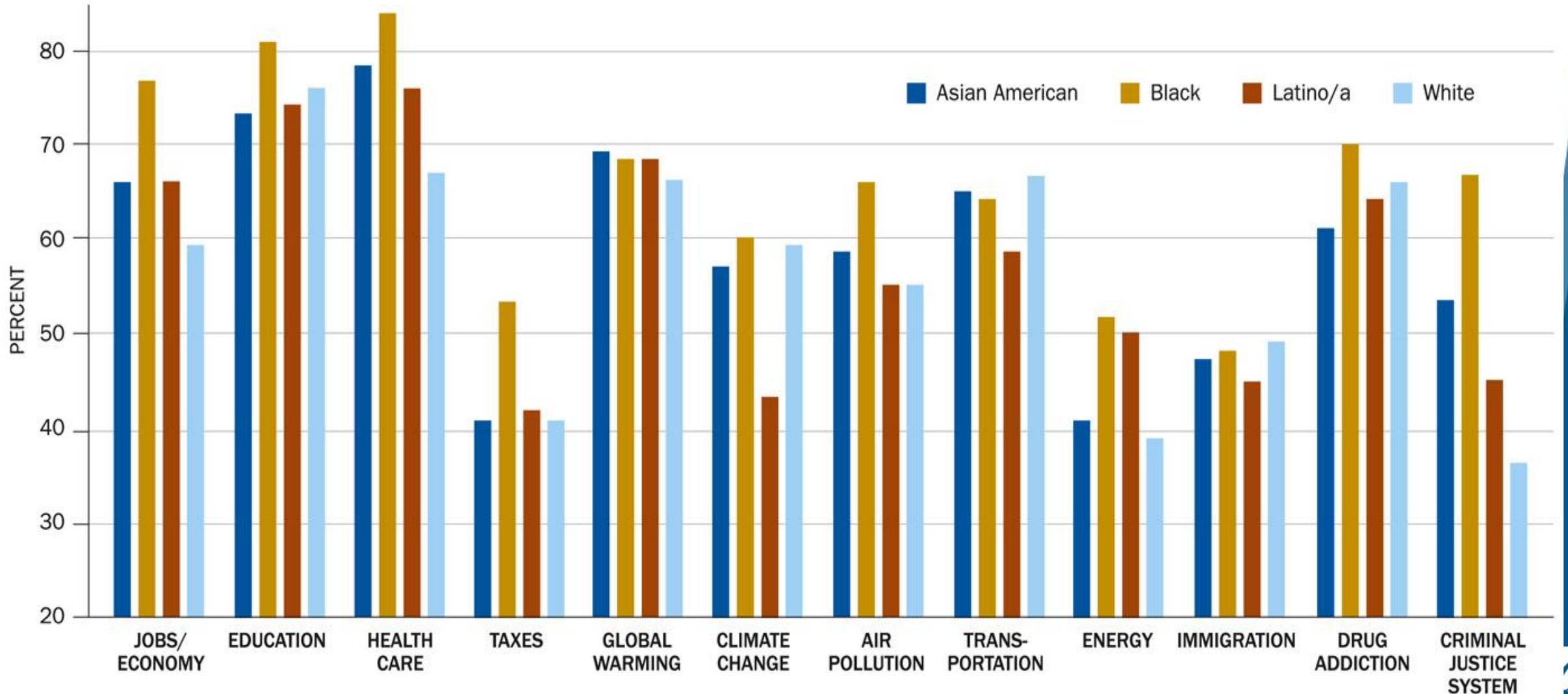


Comparing across racial/ethnic group

# **ROLE OF GOVERNMENT**

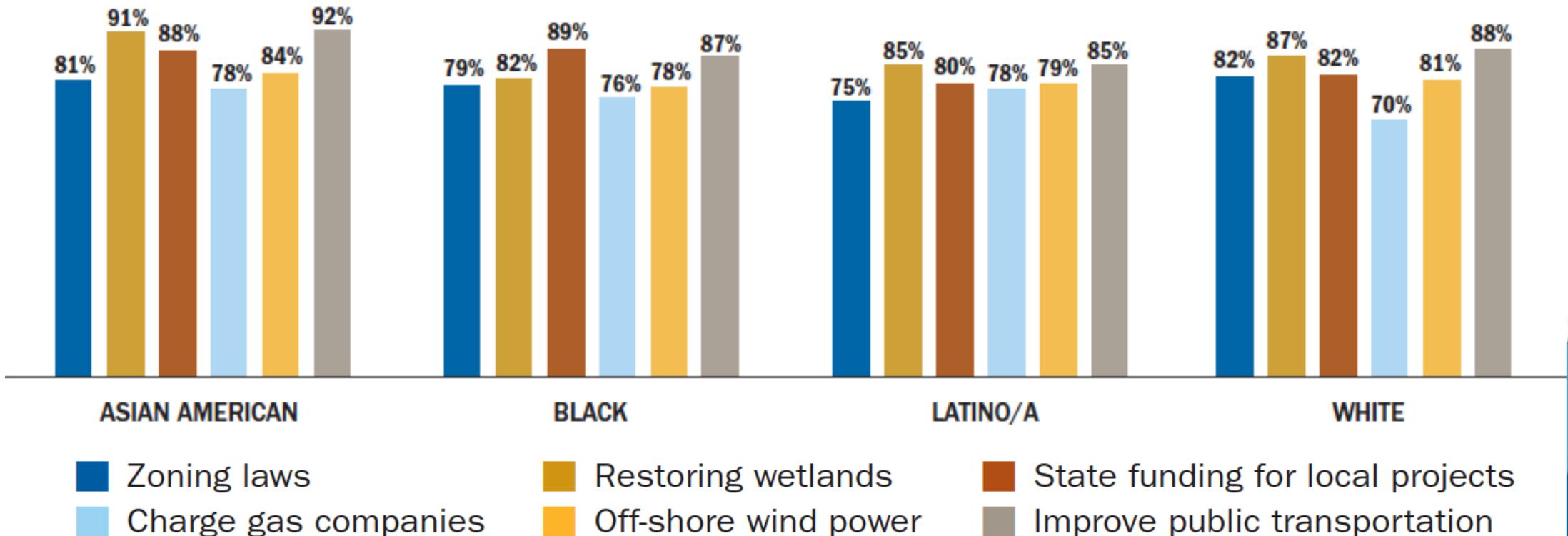
# State policy options identified as a “High Priority”

Do you think \_\_\_\_\_ should be a high priority for the Massachusetts state government?



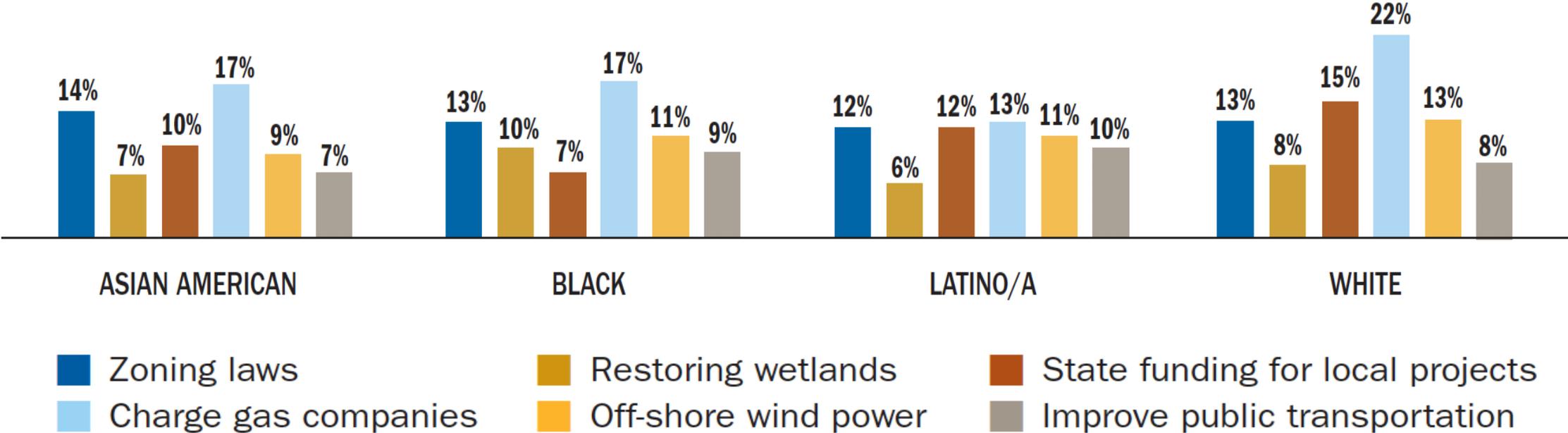
# Residents' support for MA state government policy proposals to address climate change

Would you support or somewhat support each idea?



# Residents' opposition for MA state government policy proposals to address climate change

Would you oppose or somewhat oppose each idea?

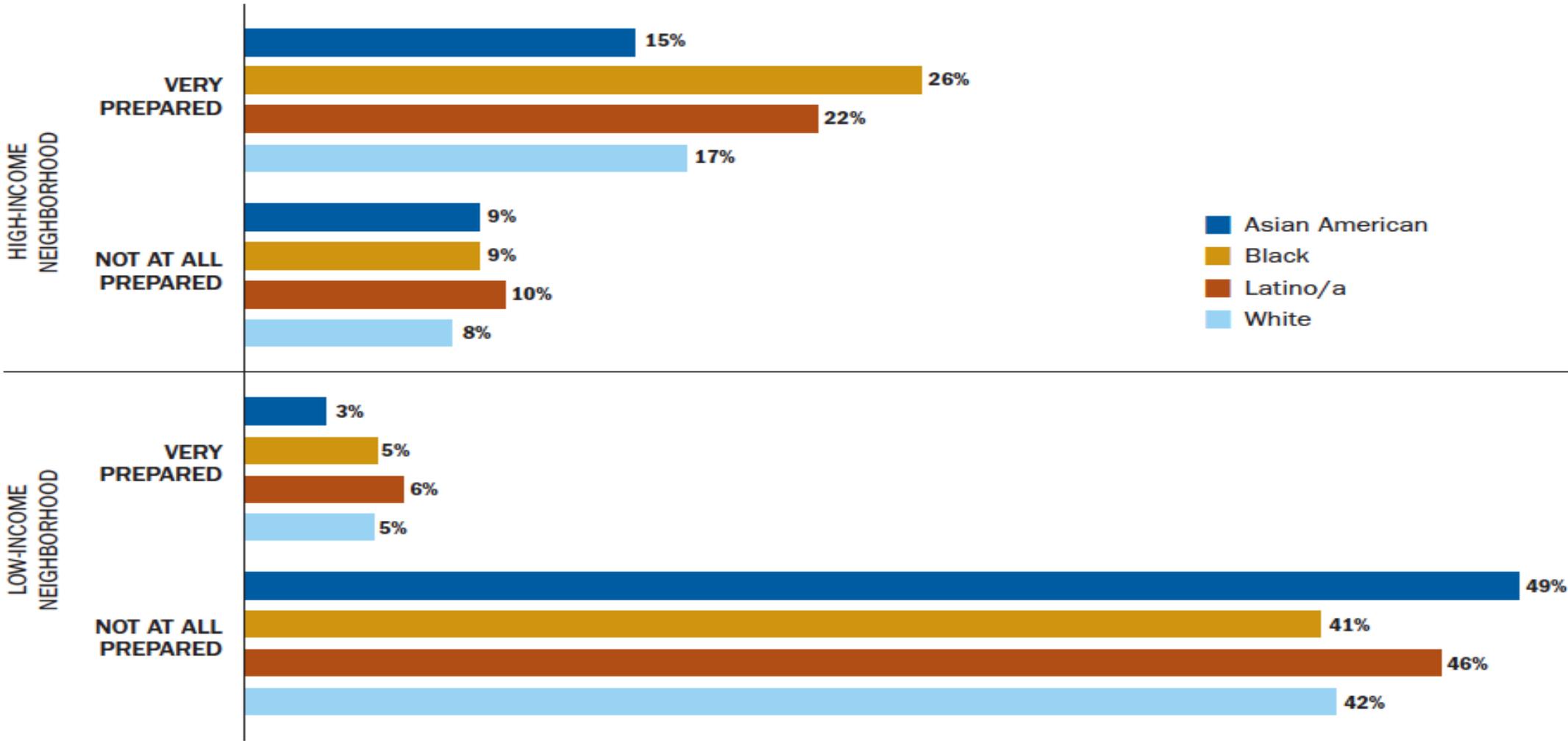


Comparing across racial/ethnic group

# PERCEPTIONS OF PREPAREDNESS

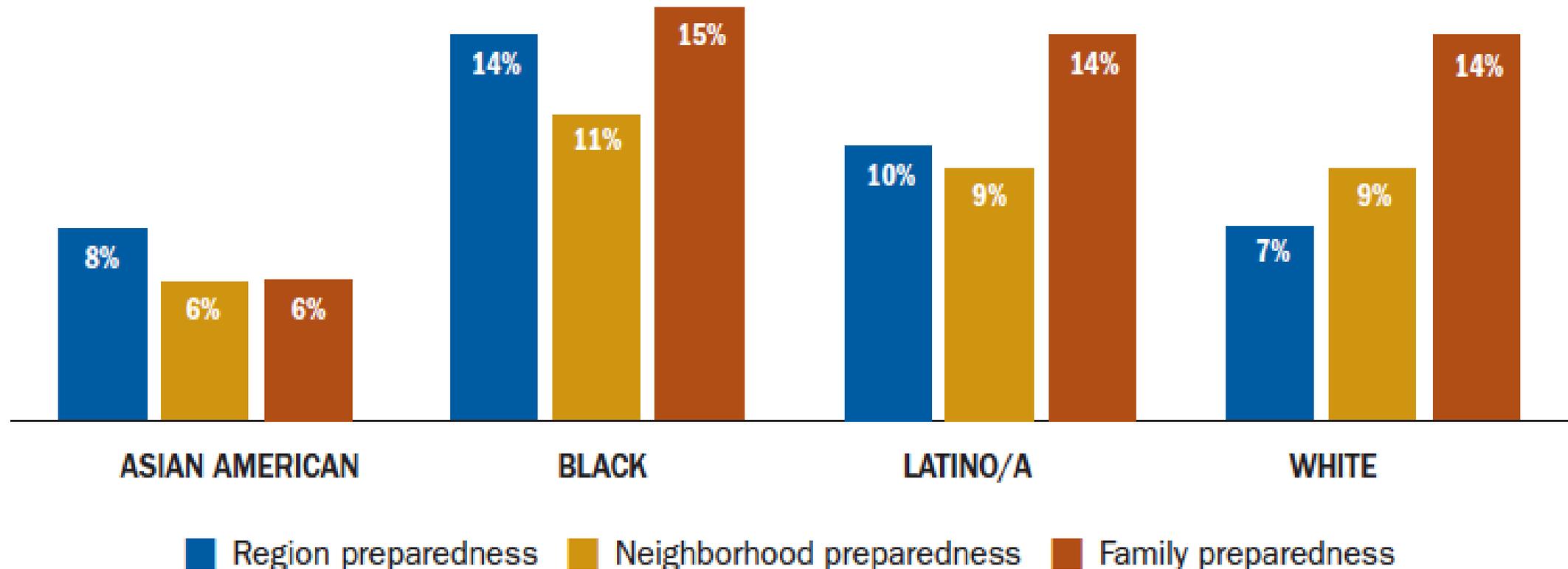
# Preparedness for high-and low-income neighborhoods

How well prepared do you think \_\_\_\_\_ are for the severe weather effects often associated with climate change?



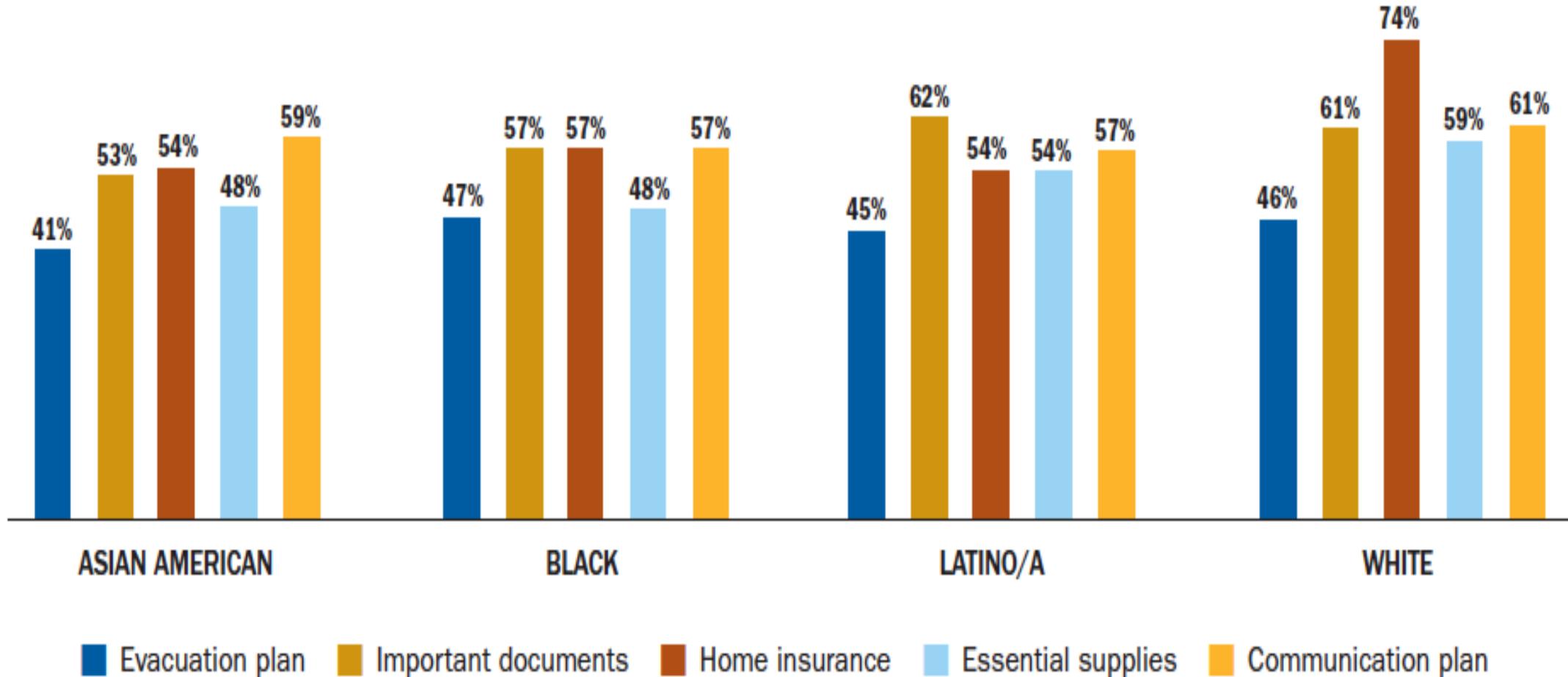
# Residents who describe their region, neighborhood, and family as “very prepared”

How well prepared do you think your \_\_\_\_\_ is for the severe weather effects often associated with climate change?



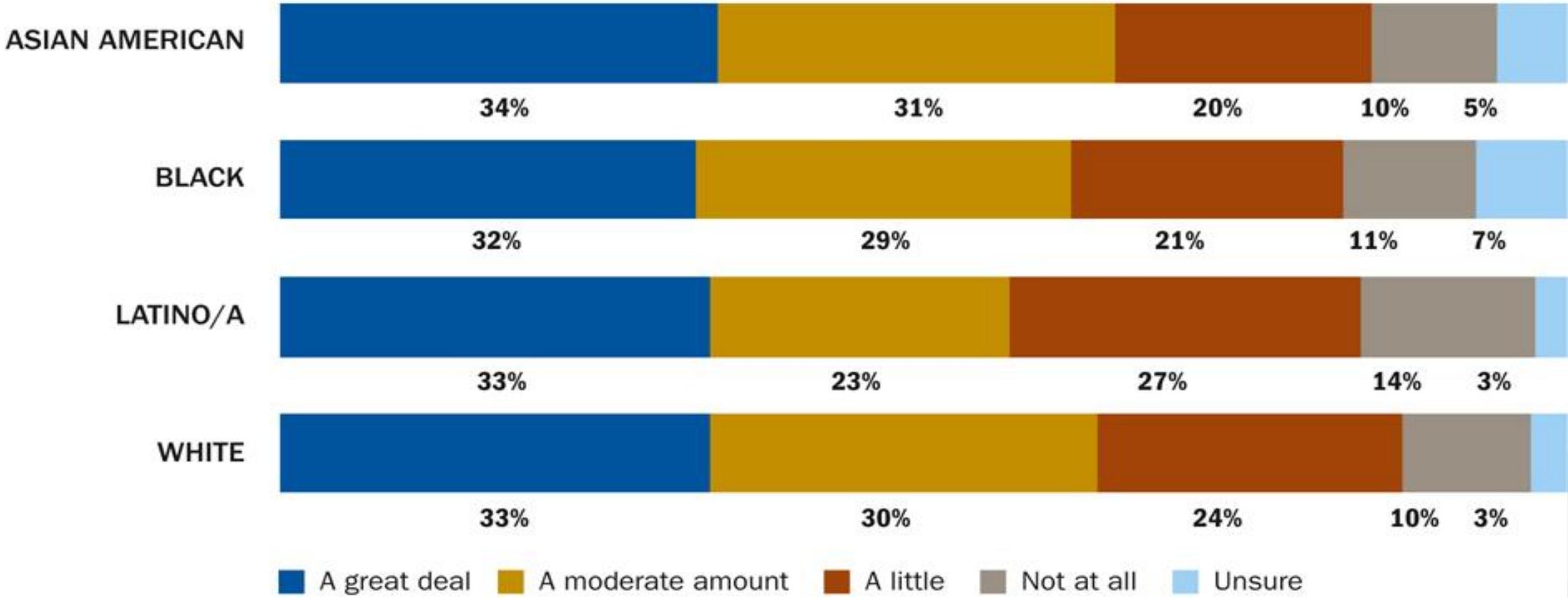
# Do you have a plan for...?

If there were a severe weather event where you live, do you have...?



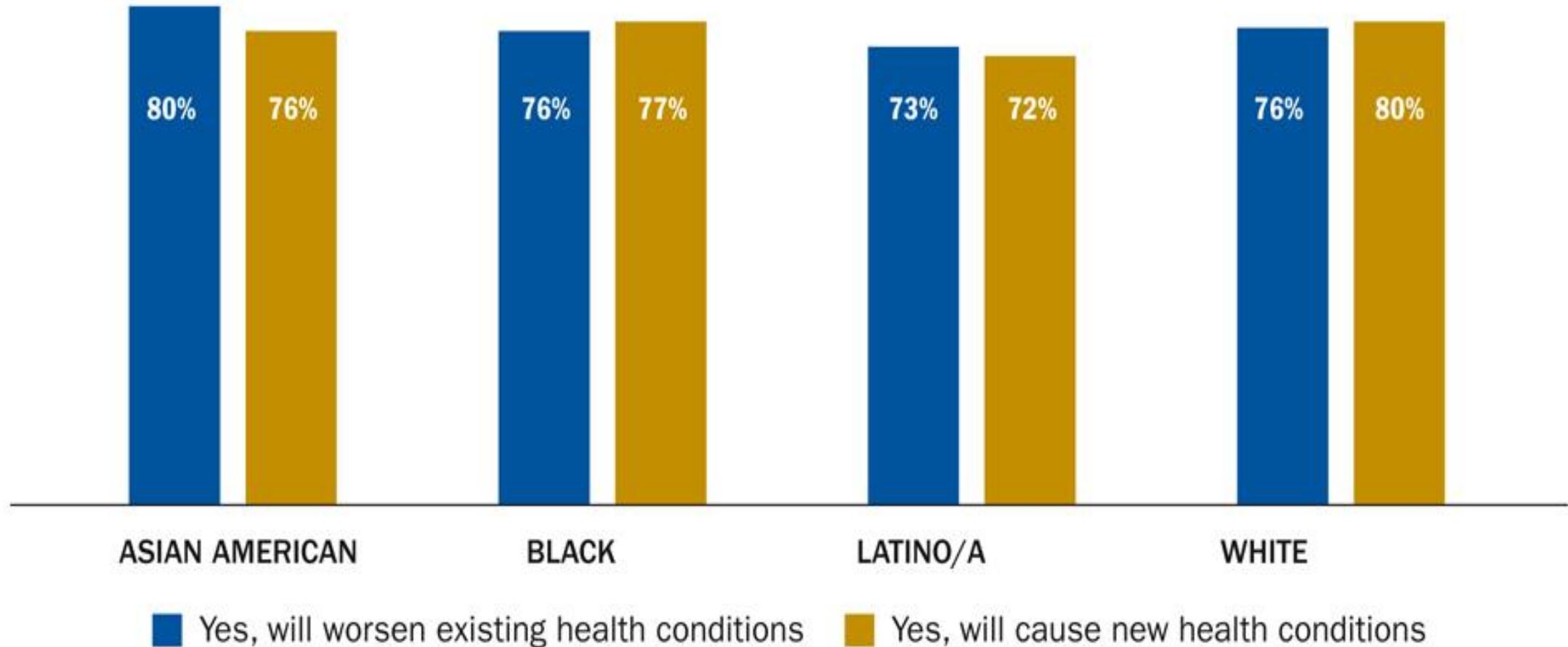
# Amount of thought about the impact of climate change on human health

Before taking this survey, how much, if at all, had you thought about how climate change might affect people's health?



# Impact on existing and new health conditions

Thinking about the possible impacts of climate change, do you think 1) it will make existing health conditions worse? 2) it will cause people to develop new conditions?



# Views that Matter

Race and Opinions on Climate Change  
of Boston Area Residents



Link to the report:  
[www.umb.edu/ssl/research](http://www.umb.edu/ssl/research)  
[SSL@umb.edu](mailto:SSL@umb.edu)

Dr. Lorena M. Estrada-Martínez  
[Lorena.Estrada@umb.edu](mailto:Lorena.Estrada@umb.edu)

Dr. Paul Watanabe  
[Paul.Watanabe@umb.edu](mailto:Paul.Watanabe@umb.edu)

# Questions?