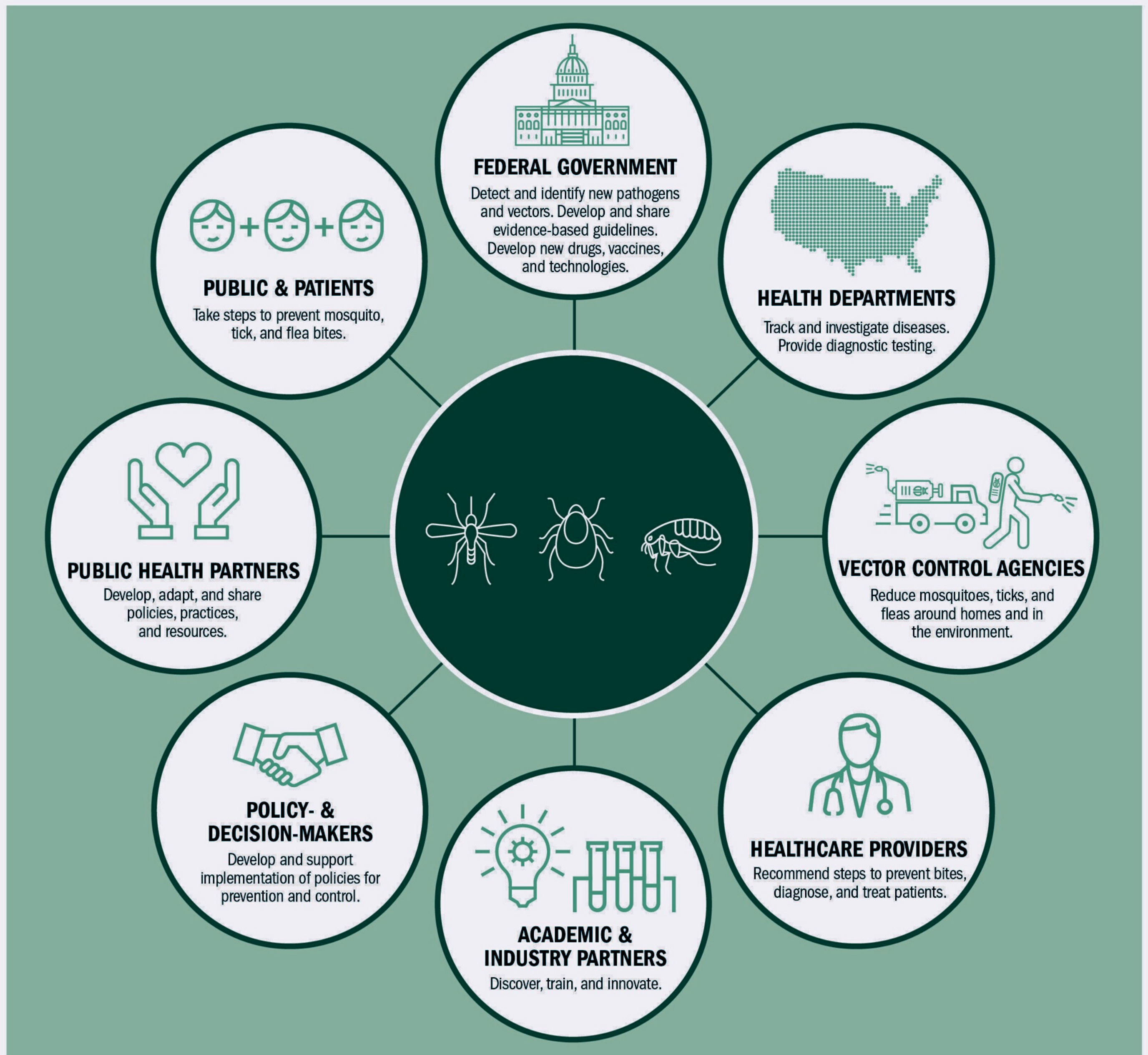


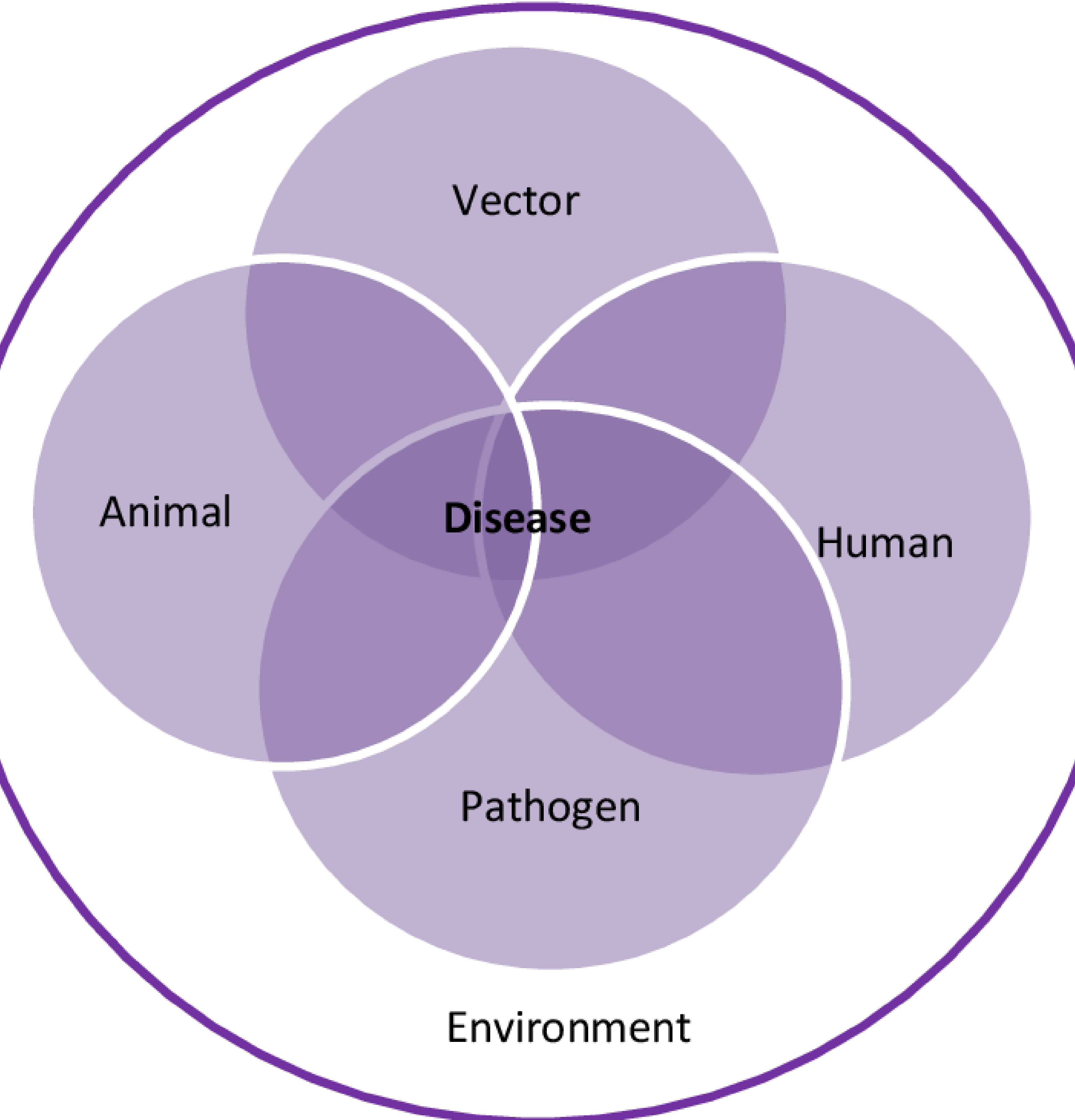
# WHAT IS MEDICAL ANTHROPOLOGY?

SEASON 4, EPISODE 9  
Infectious and Immunity

DR. MELISSA MALDONADO-SALCEDO



**A National Public Health Framework for the Prevention and Control of Vector-Borne Diseases in Humans**



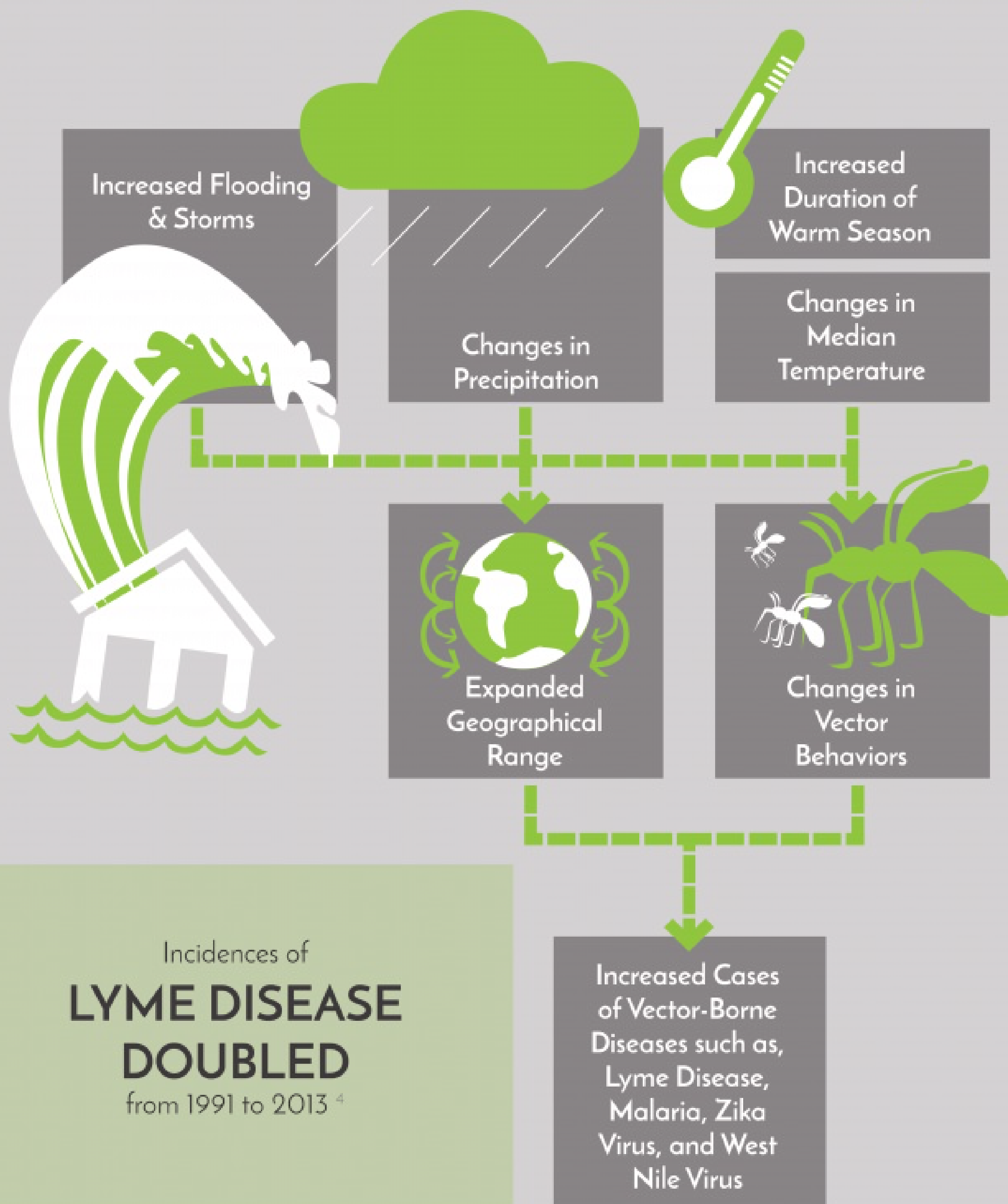
**How do you define “health” or “well-being”? These conditions are experienced by individuals, but they also relate to social and cultural contexts. What conditions need to be in place for an individual to experience health or wellness?**

**What are some of the uses of the body as a metaphor, or references to parts of the body in metaphorical ways (e.g., “my heart breaks”), in music? How are those similar to or different from how you talk metaphorically about the body or aspects of the body in your culture?**



# HOW CLIMATE CHANGE AFFECTS YOUR HEALTH

## VECTOR-BORNE DISEASES



**42,000 CASES OF WEST NILE VIRUS**  
in the U.S. since 1999,  
of which  
**more than 1,700**  
people have died<sup>1</sup>

**ABOUT 68%**  
of California will have  
increased probability for  
West Nile virus by 2050<sup>2</sup>

As temperature rises,  
the range of  
**TICKS CARRYING LYME DISEASE**  
will expand<sup>3</sup>

Incidences of  
**LYME DISEASE DOUBLED**  
from 1991 to 2013<sup>4</sup>

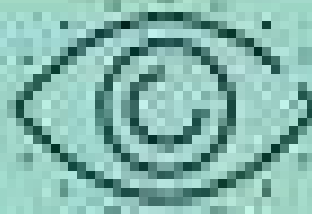
Increased Cases  
of Vector-Borne  
Diseases such as,  
Lyme Disease,  
Malaria, Zika  
Virus, and West  
Nile Virus

## Ethnomedicine

Culturally specific approaches to illness, health, and healing found around the world. Incorporates a wide variety of anthropological approaches, including ecology, epidemiology, and medical history.

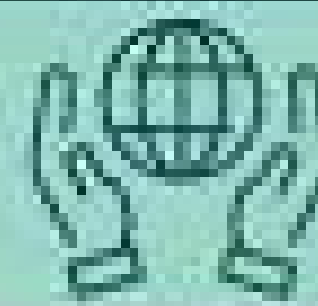
*Ethnomedical studies explore:*

- Local knowledge in health and healing.
- Local explanations of illness.
- Specific social, historical, and cultural factors shaping the understanding, spread, and experience of disease.
- Locally specific understandings of the body.



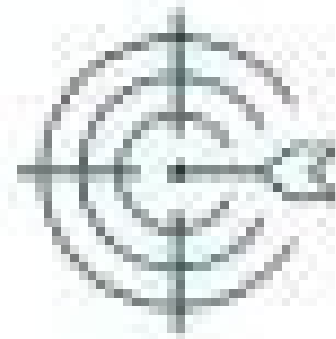
## VISION

A NATION WHERE VECTOR-BORNE DISEASES NO LONGER THREATEN HUMAN HEALTH AND WELL-BEING



## MISSION

PROTECT PEOPLE FROM ILLNESS, SUFFERING, AND DEATH DUE TO VECTOR-BORNE DISEASES



## GOALS



**1** Better understand when, where, and how people are exposed to and get sick or die from vector-borne diseases



**2** Develop, evaluate, and improve tools and guidance for the diagnosis and detection of vector-borne diseases



**3** Develop, evaluate, and improve tools and guidance for the prevention and control of vector-borne diseases



**4** Develop and assess drugs and treatment strategies for vector-borne diseases



**5** Disseminate and support the implementation of effective public health and vector control products, tools, and programs to prevent, detect, diagnose, and respond to vector-borne disease threats

## CDC Report - Key Steps for Prevention and control in the U.S

**ANTHROPOLOGISTS ARE POTENTIALLY IMPORTANT PLAYERS IN EMERGENCY PUBLIC HEALTH RESPONSE, PROVIDING INSIGHT INTO THE SOCIAL DYNAMICS OF HEALTH, ILLNESS, AND DISEASE TRANSMISSION.**

**ANTHROPOLOGICAL METHODS ARE QUITE DISTINCT FROM, AND MAY BE IN TENSION WITH, OTHER PUBLIC HEALTH TECHNIQUES. YET, WE HAVE TO MOVE FORWARD TO THINK LOCALLY ABOUT GLOBAL PROBLEMS TOO.**