

West Meets East: Transcending Disaster Nursing Amidst the Turbulence

*Bridging Systems, Cultures, and Compassion in
Crisis Response*

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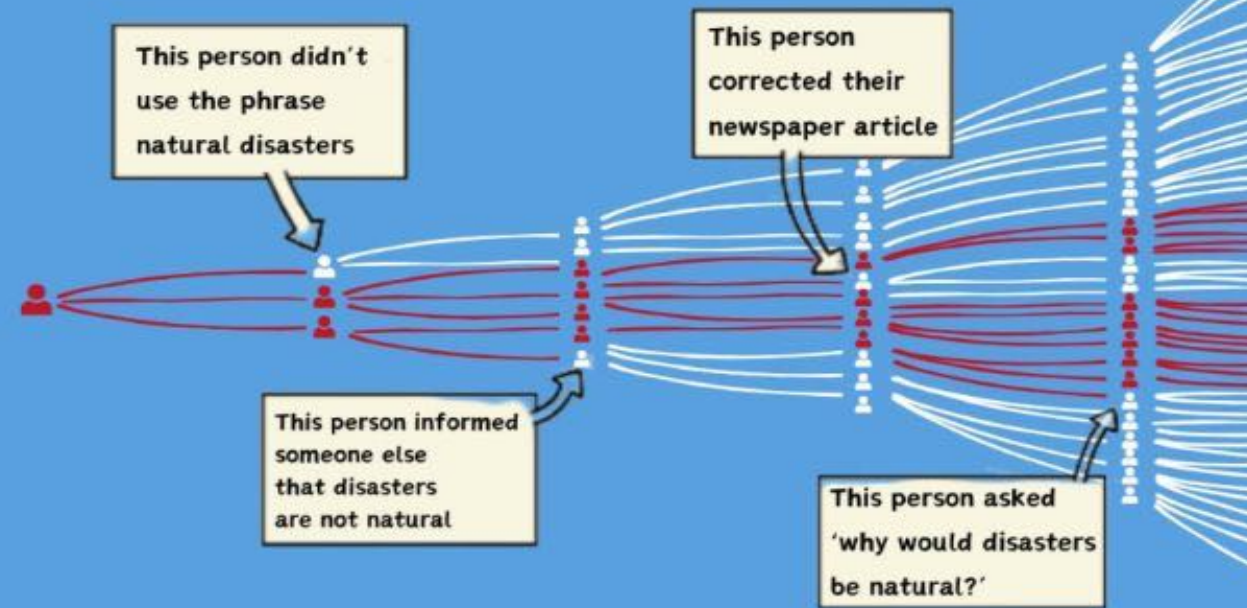


Types of Disasters (U.S. Context)

- **Natural***: Hurricanes, Wildfires, Flooding, Earthquakes
- **Man-Made**: Mass shootings, Chemical spills, Cyberattacks
- **Public Health Emergencies**: COVID-19, Ebola, Influenza
- *U.S. disaster frequency necessitates robust nursing response*

Disasters are not natural

The words you use matter.
Stop using the phrase *natural* disasters,
and others will follow.



#NoNaturalDisasters



Why Disaster Nursing Matters Now More than Ever



illustratedhistoryofnaturaldisasters

- earthquake
- volcano

imagesofdisasters

- ★ volcano
- ★ earthquake
- ★ flood
- ★ landslide
- ★ strom
- ★ tsunami

CCA

- ◆ flood
- ◆ fire
- ◆ earthquake

Map of disasters around the world



Emergency Declarations and Infrastructure



U.S. UTILIZES FEDERAL
DECLARATIONS TO ACTIVATE
RESOURCES



COORDINATION THROUGH
LOCAL, STATE, FEMA, CDC



EMPHASIS ON SCALABILITY AND
CROSS-JURISDICTION
COLLABORATION



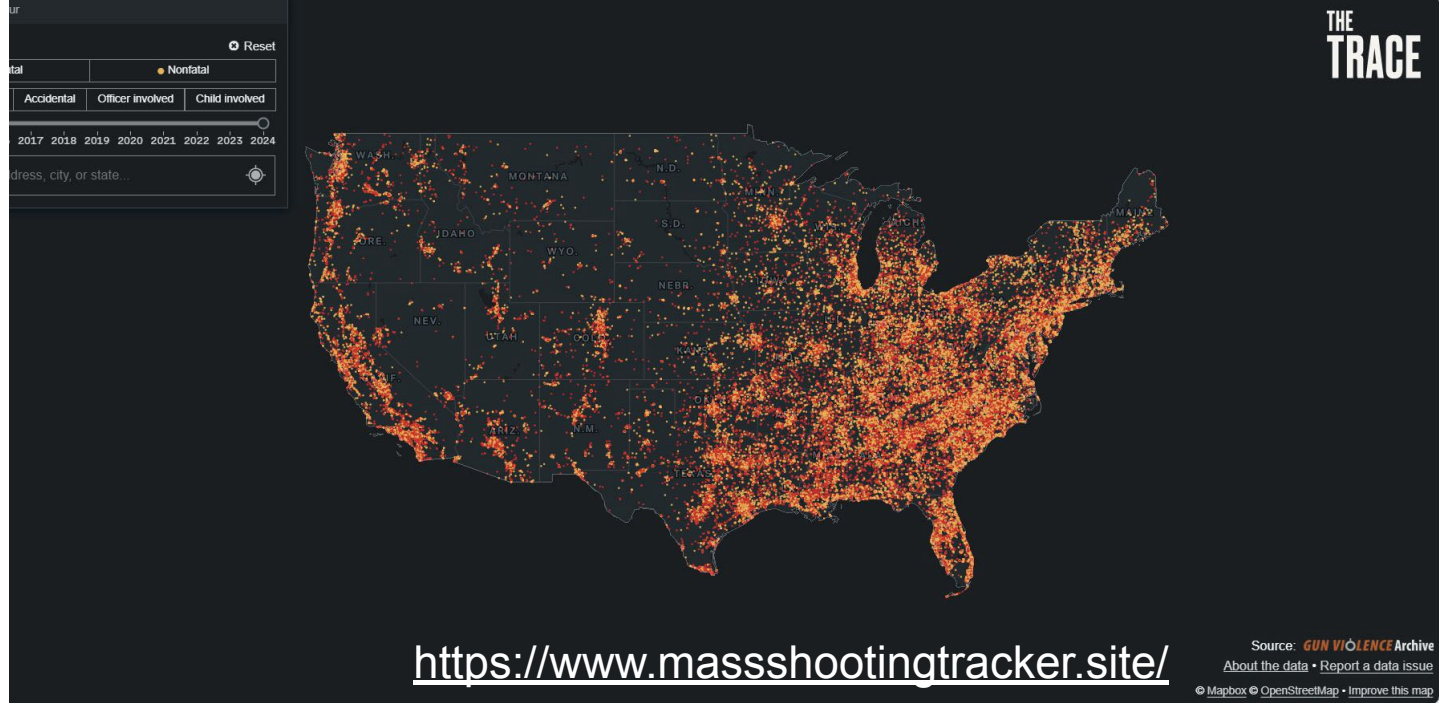
East Meets West-Cross Cultural Lessons

Element	U.S.	Global South / Asia / MENA
Triage Tools	START, JumpSTART	WHO EMT guidelines
Community Engagement	CERT, local drills	Village elders, religious leaders
PPE Distribution	FEMA Logistics	NGO-led supply chains



Modern Threats to Public Health

- Mass shootings: Triage, trauma care, psychological fallout
- Chemical spills: Immediate and long-term toxic exposures



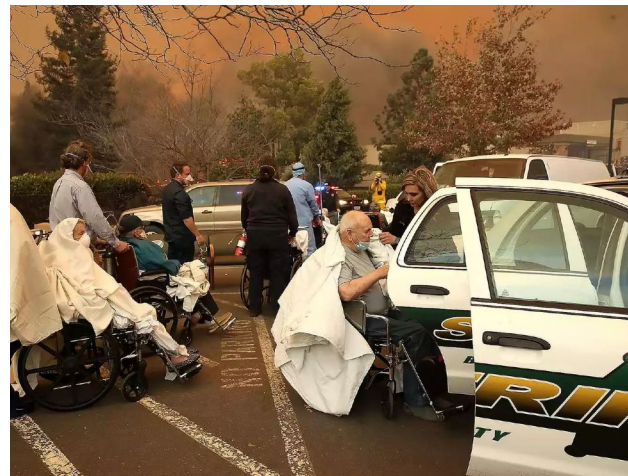
Health Effects of Wildfires

Direct health effects

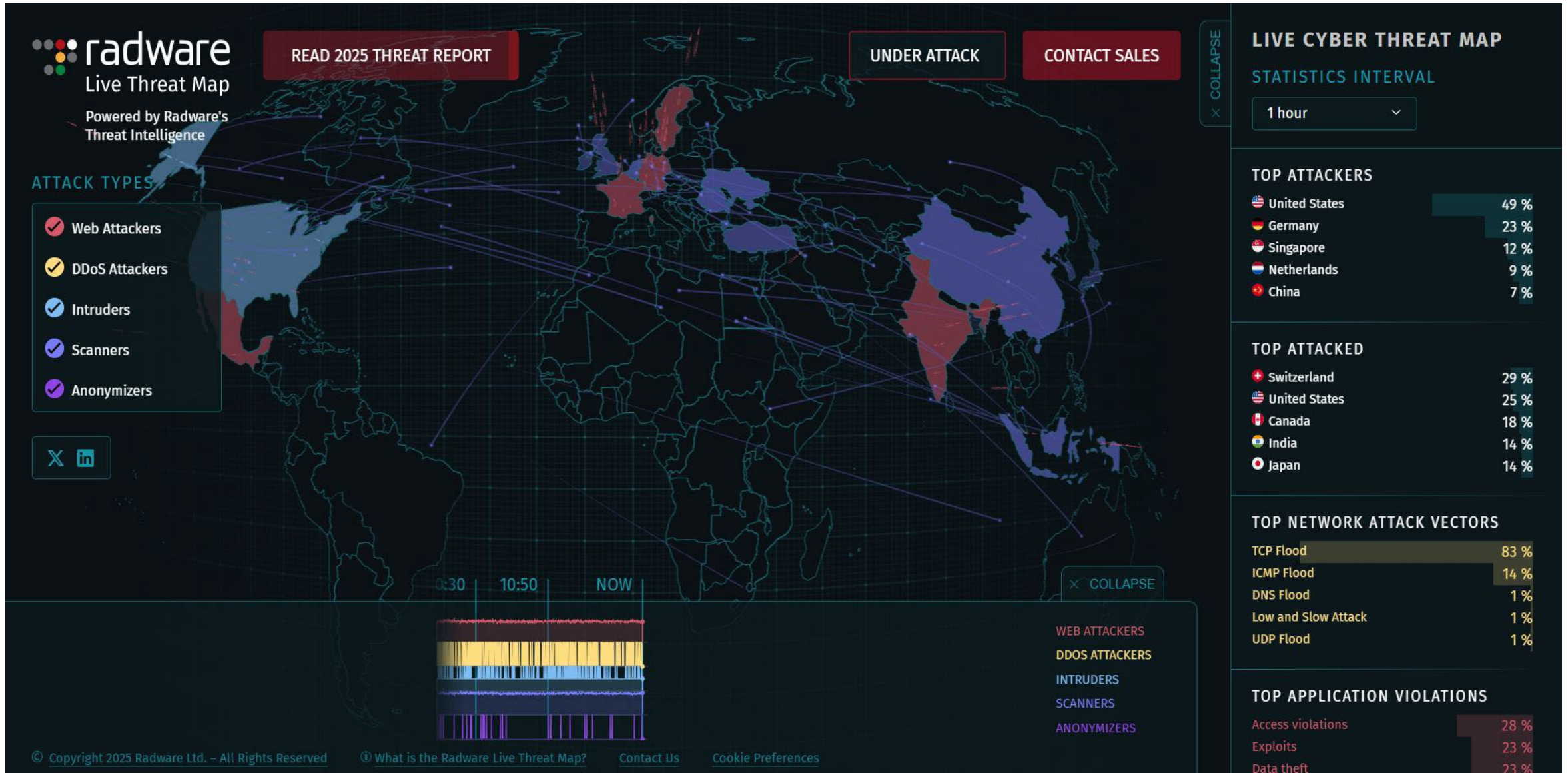
- | | |
|-----------------------------|--|
| Exposure to flames and heat | <ul style="list-style-type: none">• Burns• Death• Heat-induced illness• Other medical sequela |
| Toxic wildfire smoke | <ul style="list-style-type: none">• Respiratory• Cardiovascular• Ocular• Short-term and long term effects• Exposure to gases• Cancer• Potential lowered birthweights |
| Trauma | <ul style="list-style-type: none">• Injuries due to falls, falling debris, etc.• Injuries and fatalities due to decreased visibility leading to traffic accidents• Electrical hazards• Tetanus• Other infections• Injuries due to animal encounters |

Indirect health effects

- | | |
|-------------------------|---|
| Psychological effects | <ul style="list-style-type: none">• Panic• PTSD: survivors and responders• Grief and loss• Depression/somnolence• Anxiety• Hostility• Increased violence/domestic abuse• Increased smoking and drug use• Vicarious traumatization• Inability to focus/remember• Suicide |
| Pollution/contamination | <ul style="list-style-type: none">• Contaminated soil• Contaminated water• Particulate matter in air• Carbon monoxide• Risk for contagious diseases• Agricultural hazards• Exposure to hazardous materials |



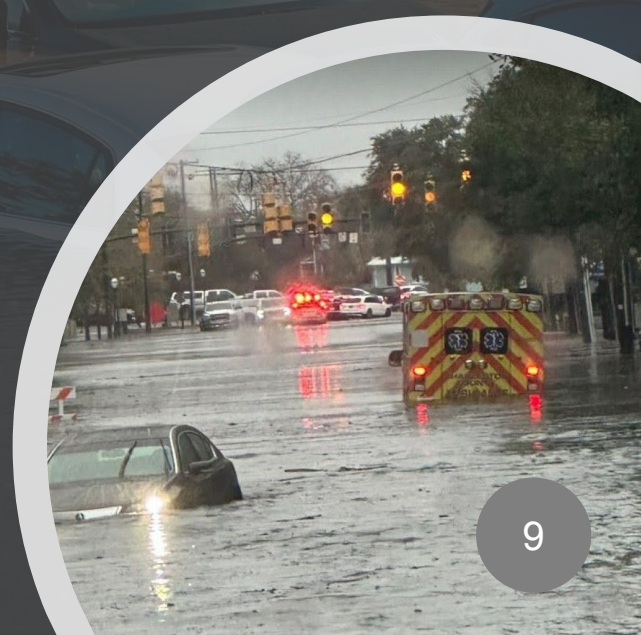
Cyberattacks: Infrastructure disruption, telehealth compromise



Live Cyber Threat Map | Radware



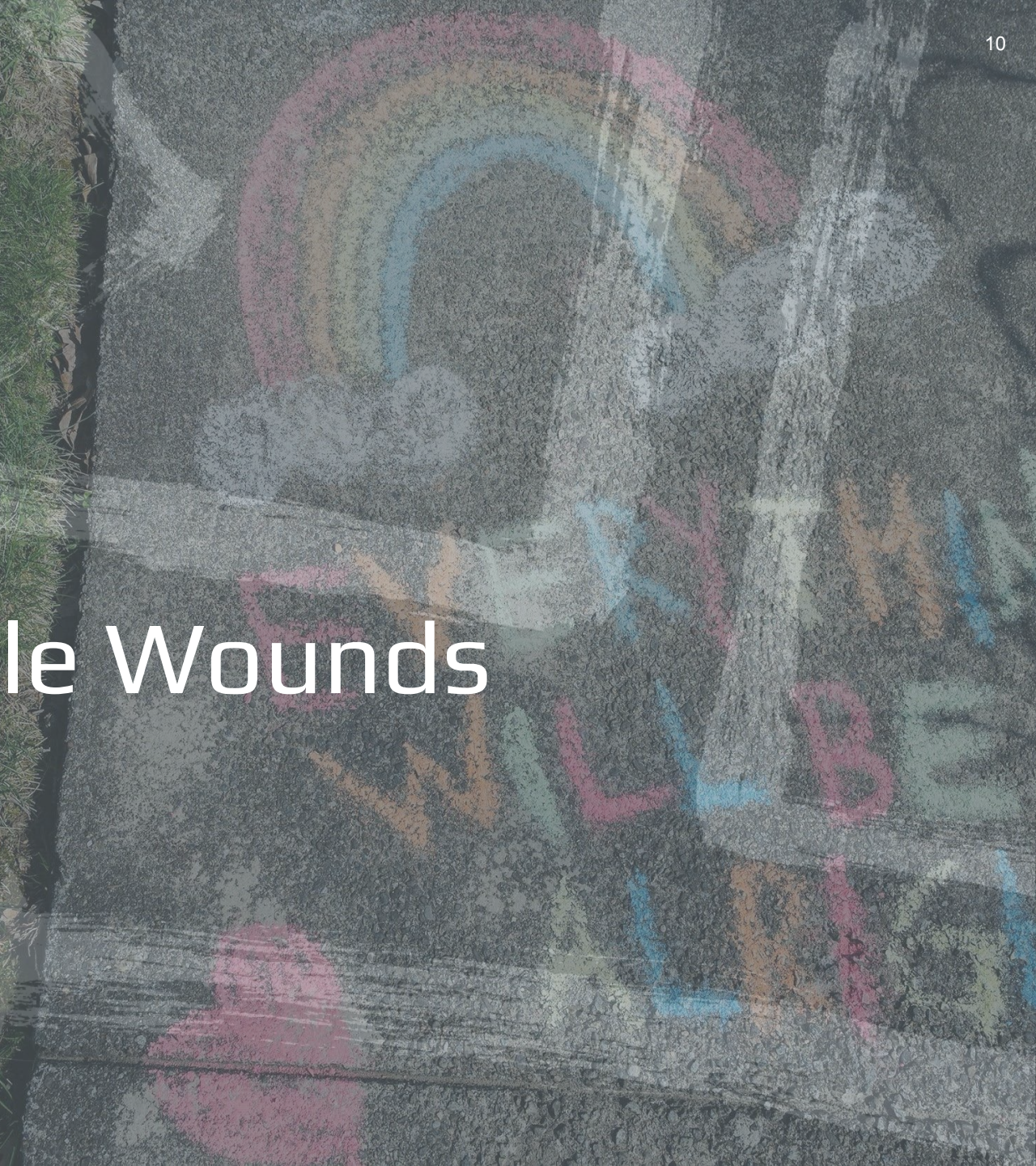
Flooding



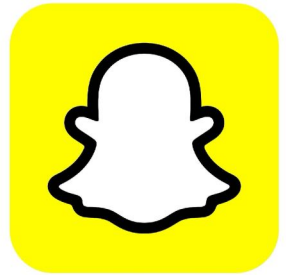


There's no health without mental health.

The Invisible Wounds



Exposure isn't Always Healthy

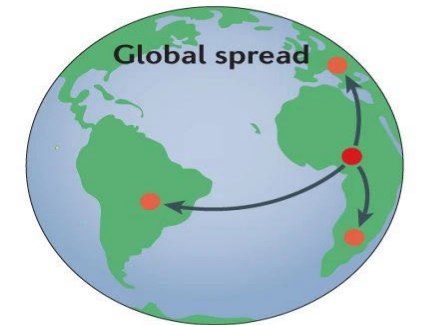
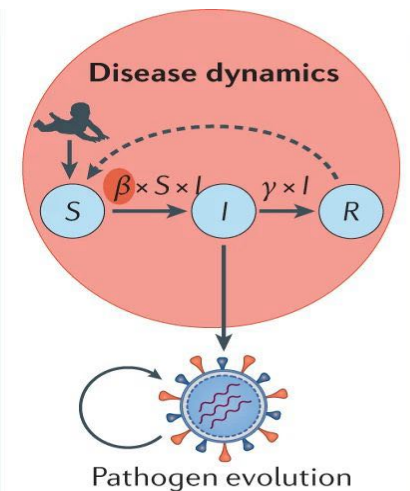
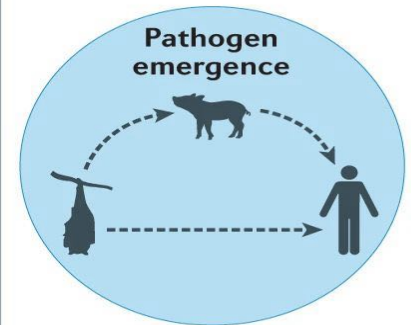


Tik Tok





Infectious Diseases



Climatic change	Drives range shifts for reservoir species	Affects transmission and susceptibility	Affects the geographical range of vectors
Technological change			
Transportation	Improved global surveillance		Air transit and high-speed rail affect pace and range of spread
Health care		Vaccination affects dynamics	Improved care reduces burden
Demographic change			
Population growth and land use	Increased contact with reservoir species	Population numbers affect evolution, birth rates affect dynamics	Larger population travelling
Urbanization	Depends on species	Density affects contact rate	Urban population more connected
Ageing	Immunosenescence affects spillover risk	Ageing population increases transmission	Possible larger burden



<https://www.cdc.gov/outbreaks/index.html>



Travel



Animals



Contaminated Food



Surgeries



Dengue Crisis: Urgent Action Needed Amidst Global Spread and Rising Severity

Health officials warn US is unprepared for growing disease threat: 'If we don't do anything ... it's going to get worse'

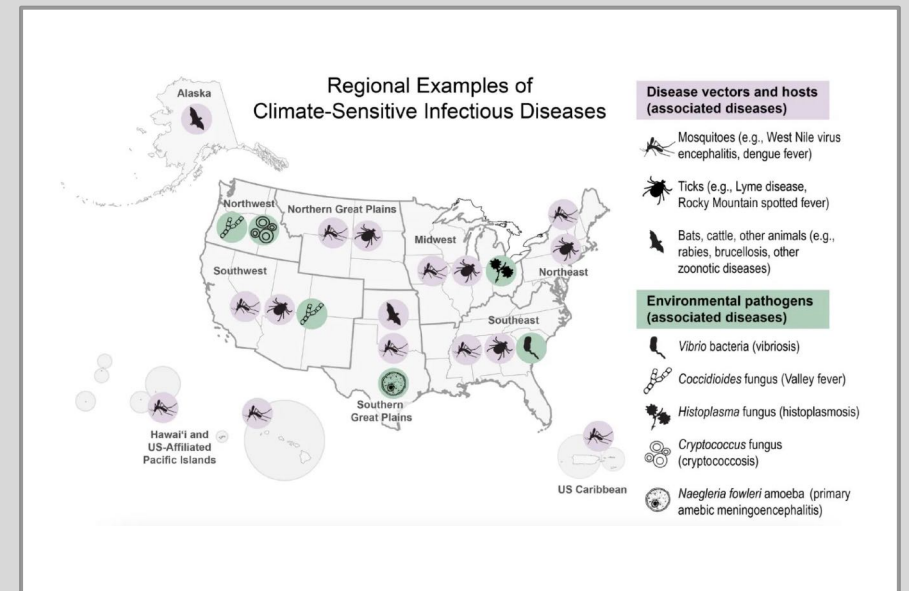
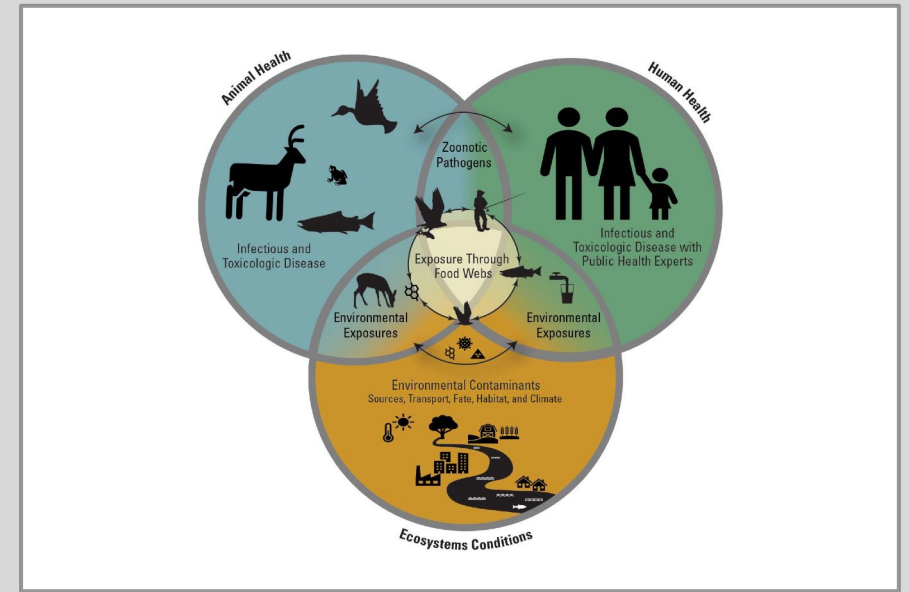
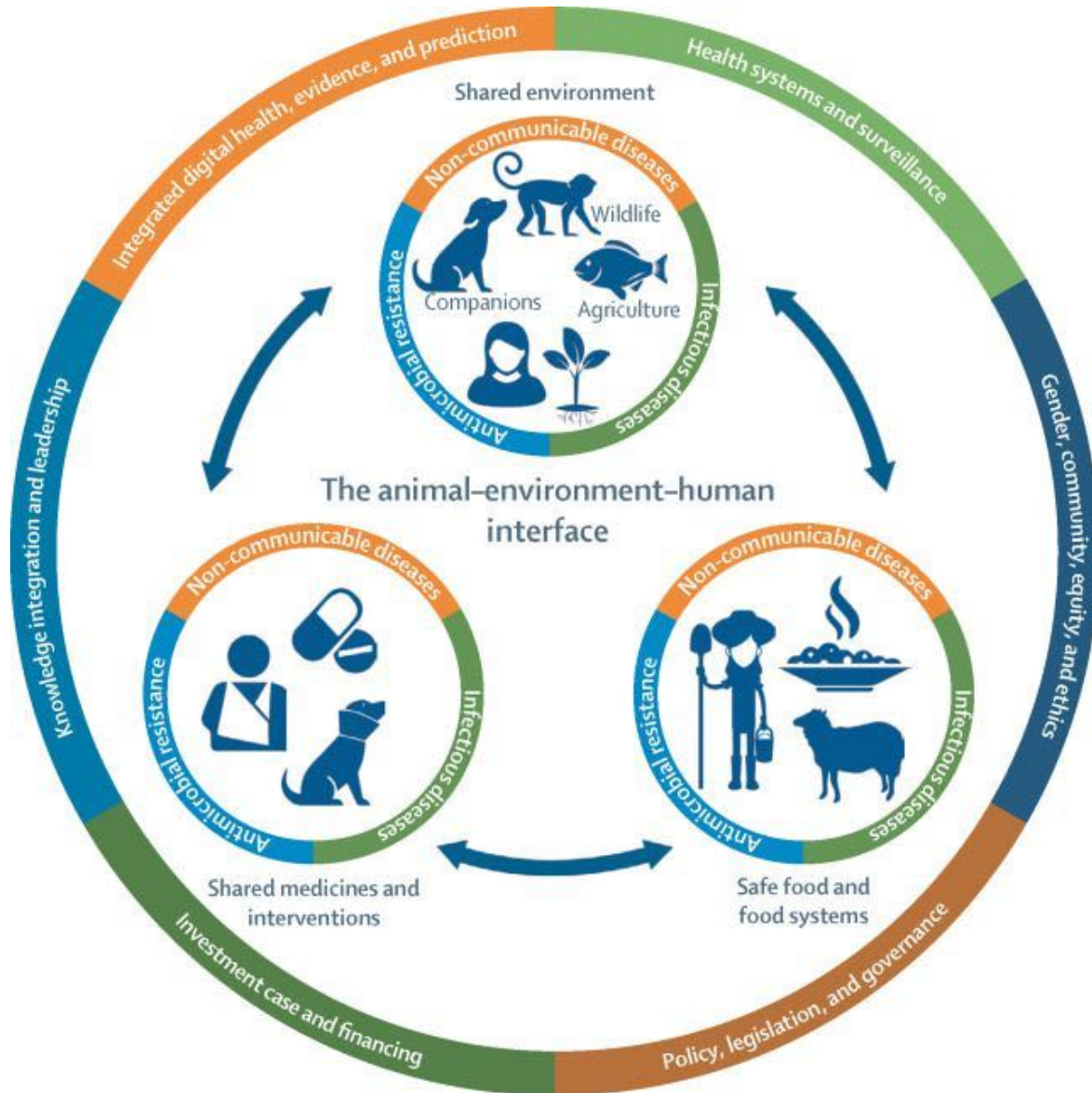
Story by Jeremiah Budin • 19h

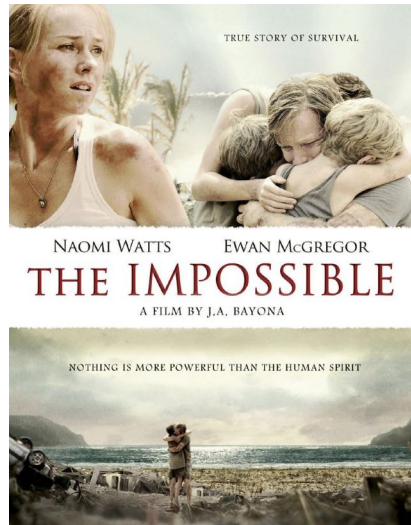
Dengue Fever Malaria Water



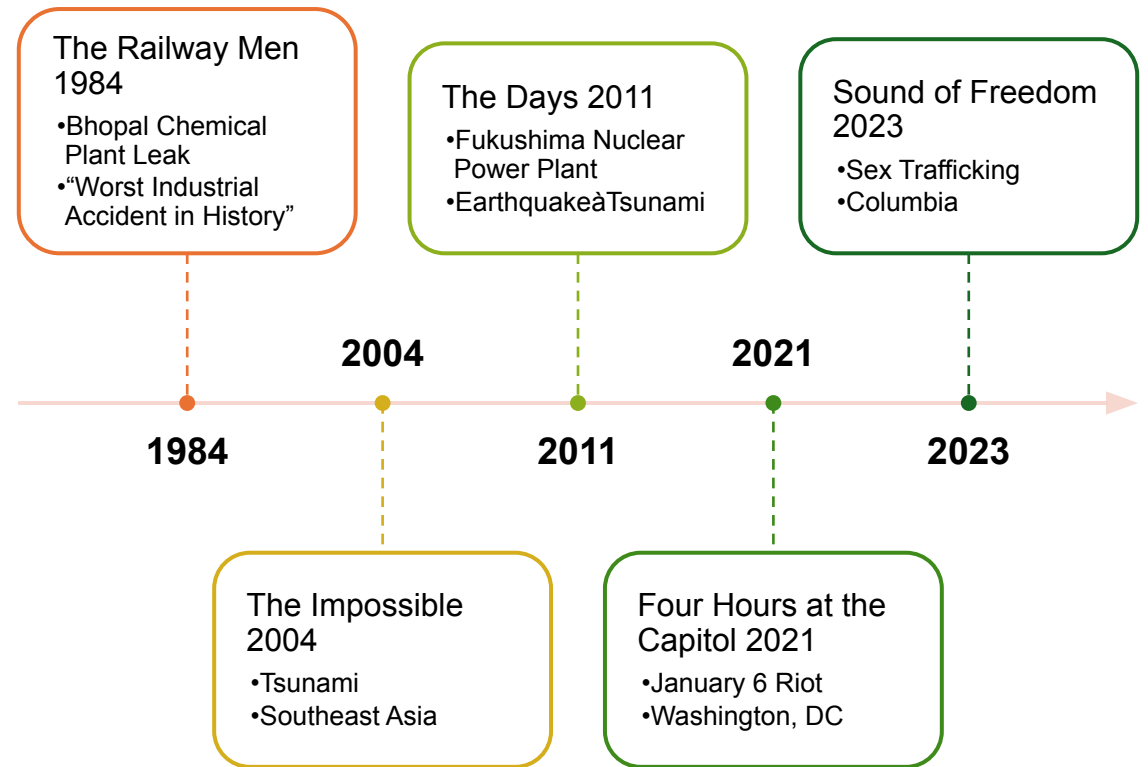
Health officials warn US is unprepared for growing disease threat: 'If we don't do anything ... it's going to get worse'
© Provided by The Cool Down

Rising global temperatures have resulted in various consequences — among them, more mosquitoes in North America. Those mosquitoes are bringing various diseases along with them, and experts [are saying](#) that the United States is unprepared for the threat.





Cultural Reflections through Film



Global Takeaways for Disaster Nurses



CULTURAL COMPETENCE IS
AS IMPORTANT AS CLINICAL
SKILL



PSYCHOLOGICAL FIRST AID
SHOULD BE INTEGRATED
INTO ALL RESPONSES



DISASTER NURSES ARE
BRIDGES BETWEEN
SYSTEMS, COMMUNITIES,
AND HOPE

شكراً

thank you



Final Reflection



Links

[Live Cyber Threat Map | Radware](#)

<https://www.massshootingtracker.site/>

<https://www.cdc.gov/outbreaks/index.html>

Movies:

The Railway Men

The Days

Sound of Freedom

Four Hours at the Capitol

The Impossible