



# Interdisciplinary End of Life Symposium

## **Natural Disasters & End of Life Care**

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## Disclosures

I do not have any relevant financial relationships.

This presentation and/or comments will provide a balanced, non-promotional, and evidence-based approach to all diagnostic, therapeutic and/or research related content.

# Cultural Linguistic Competency (CLC) & Implicit Bias (IB)

#### STATE LAW:

The California legislature has passed <u>Assembly Bill (AB) 1195</u>, which states that as of July 1, 2006, all Category 1 CME activities that relate to patient care must include a cultural diversity/linguistics component. It has also passed <u>AB 241</u>, which states that as of January 1, 2022, all continuing education courses for a physician and surgeon **must** contain curriculum that includes specified instruction in the understanding of implicit bias in medical treatment.

The cultural and linguistic competency (CLC) and implicit bias (IB) definitions reiterate how patients' diverse backgrounds may impact their access to care.

#### **EXEMPTION:**

Business and Professions Code 2190.1 exempts activities which are dedicated solely to research or other issues that do not contain a direct patient care component.

#### The following CLC & IB components will be addressed in this presentation:

- What cultural and bioethical differences exist between countries that impact end-of-life options provided during international disasters?
- How does a country's geopolitical and development status impact the care its population receives during an international disaster?



#### STRIKE 1

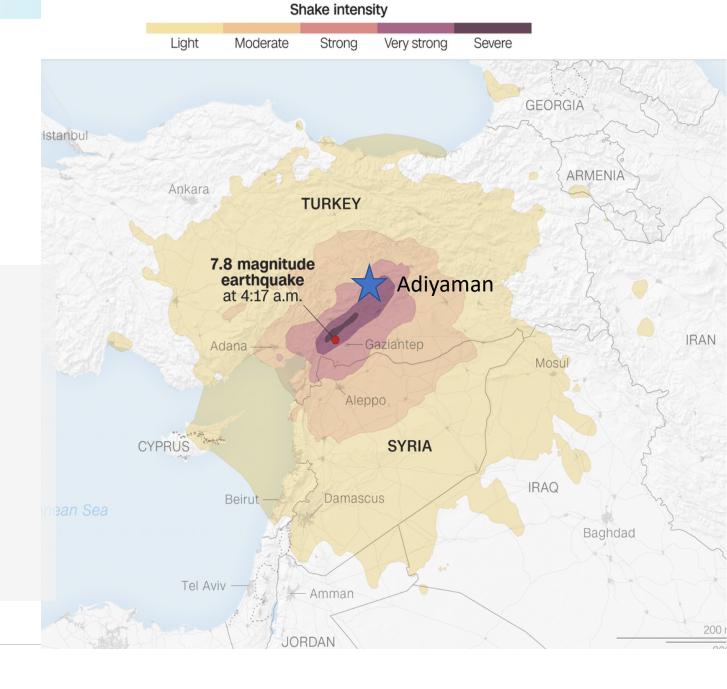
#### 6 FEB 2023

0417 am (TST) – Mw 7.8 EQ S/C Turkey, N Syria 20 mi NW of Gaziantep 20°F

11 mins (83 aftershocks) later: Mw 6.7 EQ

1 hour later – Team leadership convenes at HQ

**USAID BHA Prepares to respond** 



#### STRIKE 2

#### 6 FEB 2023

~9hrs later – Mw 7.5 EQ (epicenter 60 mi from first)

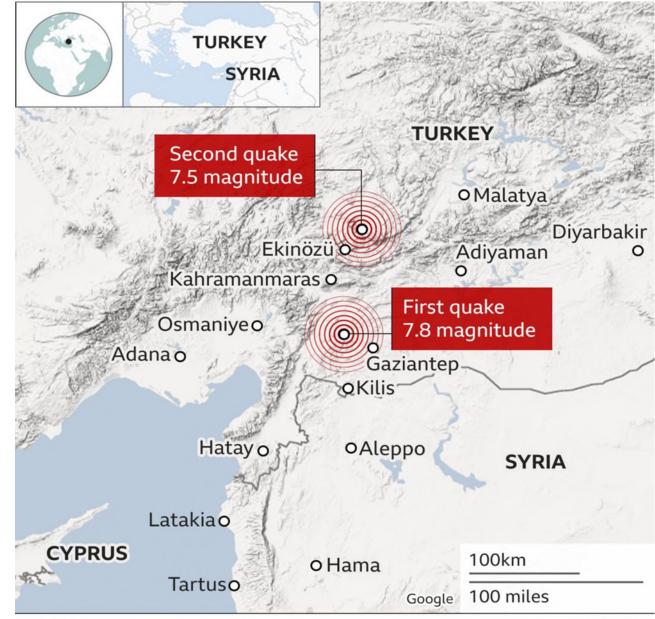
5,000 dead

21,000 injured

6,000 buildings destroyed

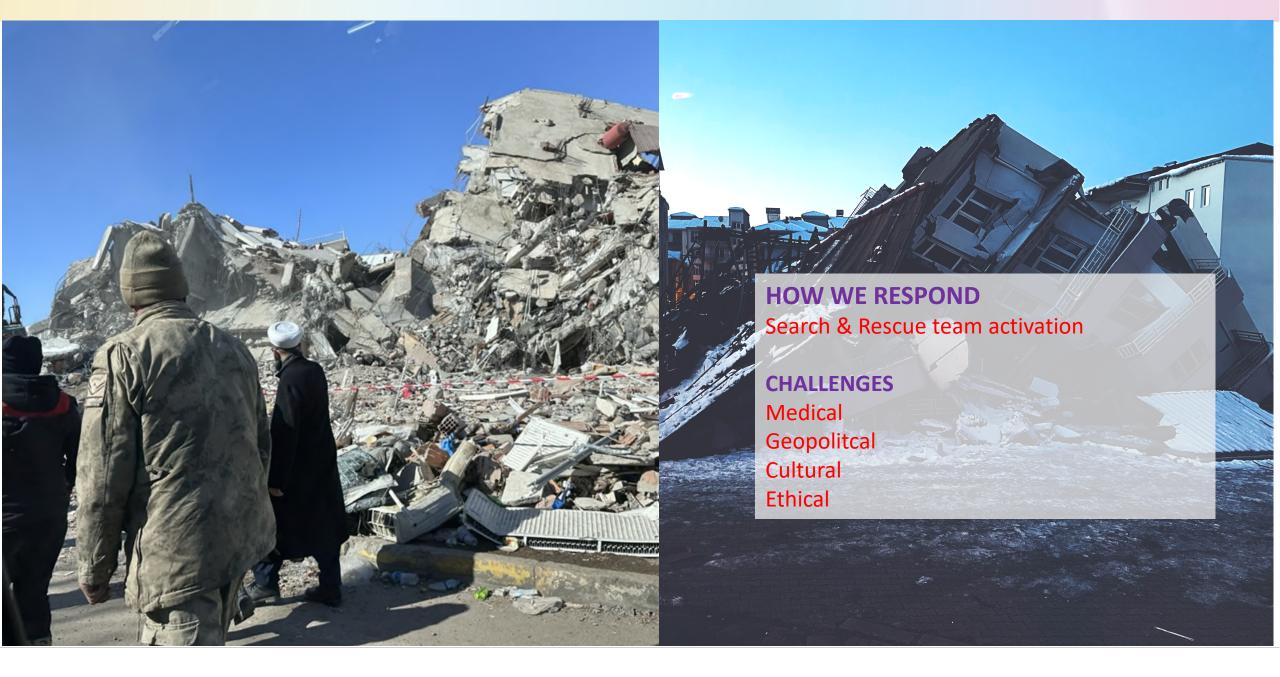
500 km (310 mi) EQ diameter

USAID sends both search & rescue teams



Source: INGV





# **END OF LIFE CARE GAPS**



# FEMA (FEDERAL EMERGENCY MANAGEMENT AGENCY)

Source: GAO analysis of FEMA data; MapInfor (map). | GAO-16-87



#### **TEAM OVERIEW**

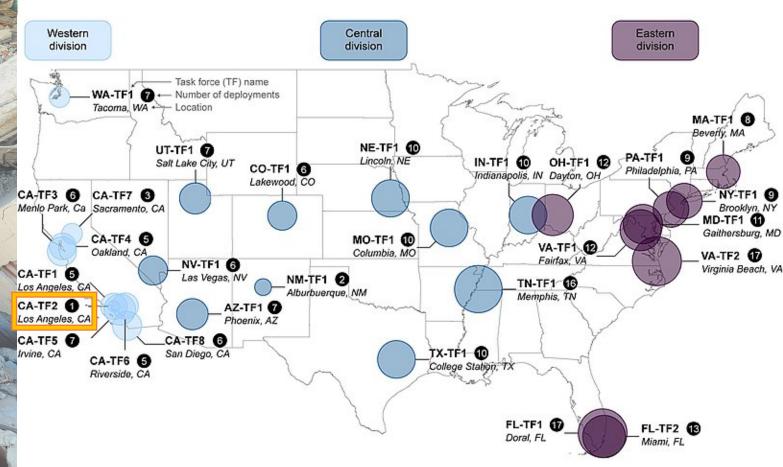
28 Urban Search & Rescue Teams (USAR)
Firefighter/paramedics, K9s + handlers
Structural engineers, Doctors

Specialised – locate, rescue & treat victims

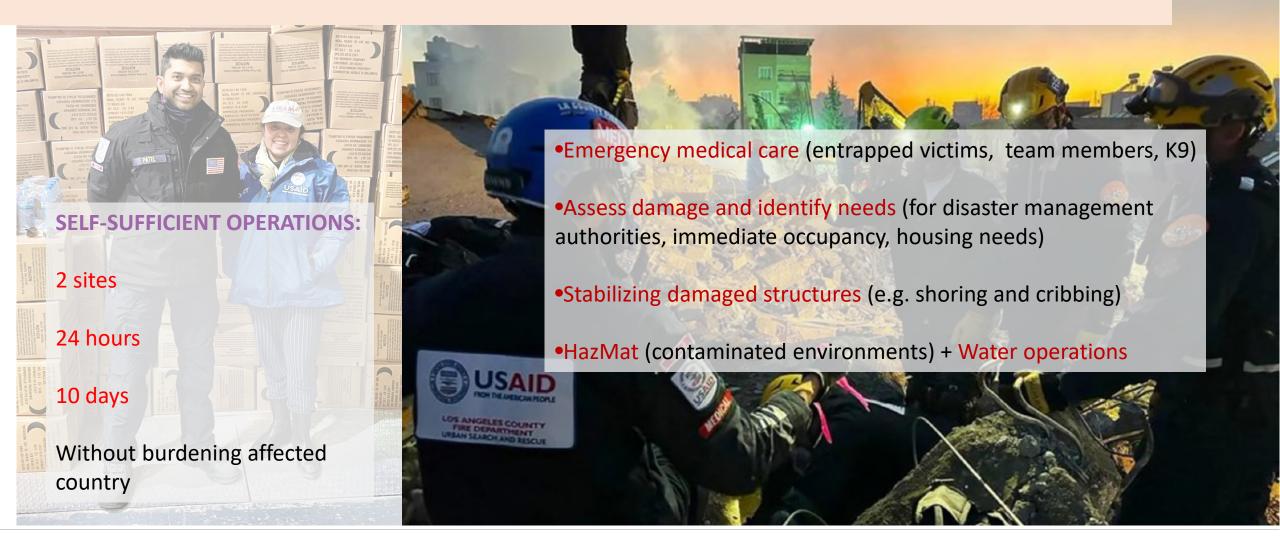
16,500 pieces of equipment (60,000 lbs)

Respond domestically within 6 hours

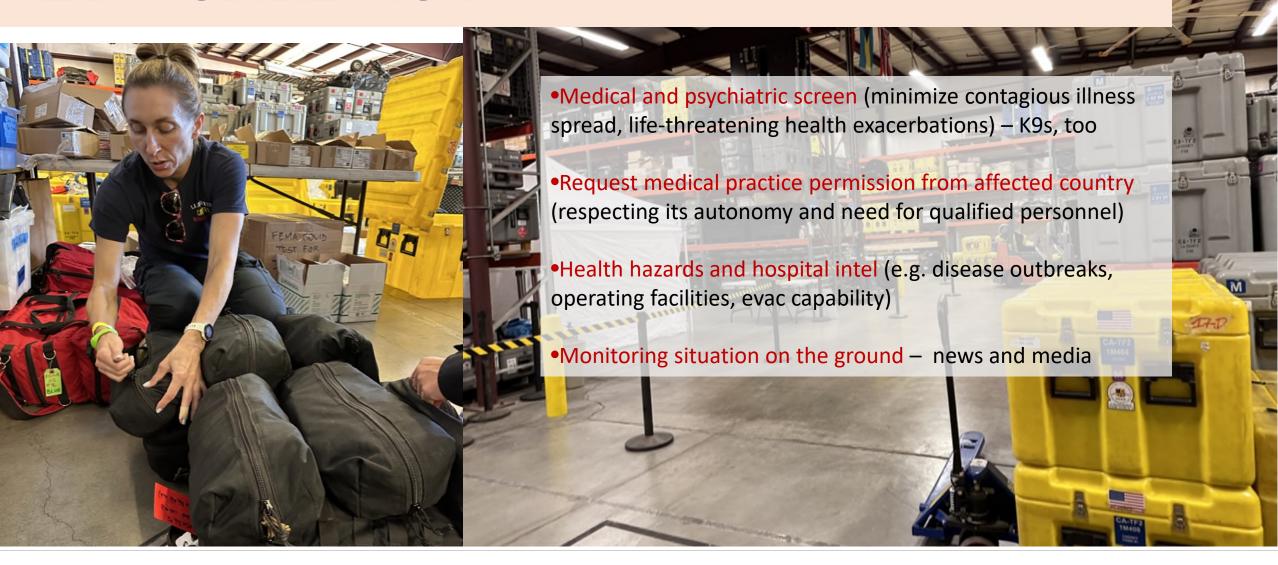
International Response – Only 2 teams



## **USAR CAPABILITIES**



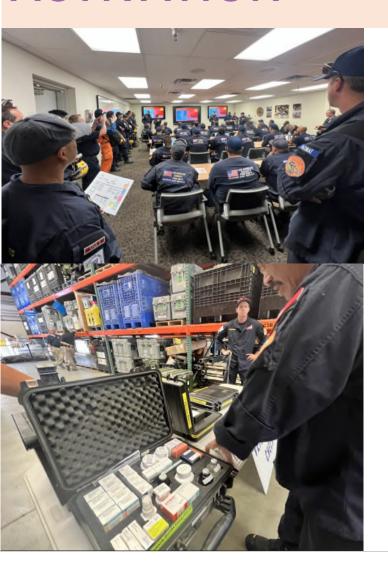
## **TEAM MOBILIZATION**

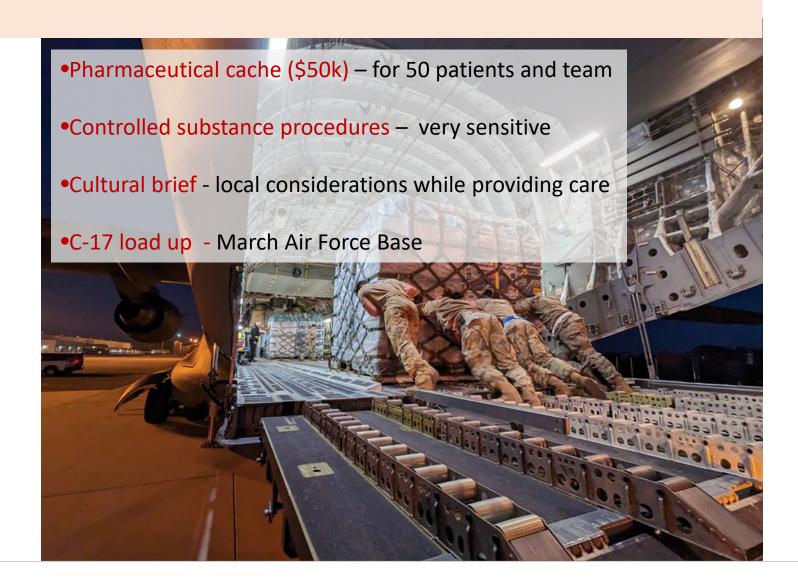


# ONGOING BUILDING COLLAPSE



## **ACTIVATION**







#### INTERNATIONAL SEARCH & RESCUE ADVISORY GROUP











## **ARRIVAL**

•Incerlik Air Force Base – assisted by US Ambassador

•Repeat cultural/mission briefing— security challenges

•10 hour journey – 7 hours of standstill (road collapses



# TRAVEL TO ADIYAMAN - CHALLENGES









## **INITIAL SURVEY**







# **REVISITING PRIORITIES**





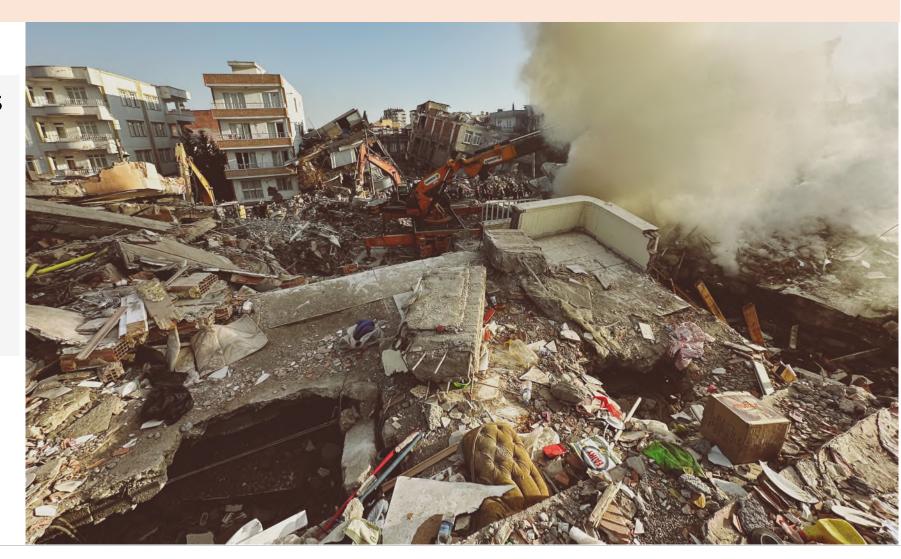


# END OF LIFE CHALLENGES - CASE STUDIES

**CASE 1** – Survivor Resources

CASE 2 – Decedent management

CASE 3 – Secondary Trauma Witnesses









CASE 1 – No survivors. Limited capacity to console.









Management of Crush-Related Injuries after Disasters, Mehmet et al., N Engl J Med 2006;354:1052-1063





# END OF LIFE GAPS / OPPORTUNITIES

Medical futility – withholding interventions

Community Resilience Training – Psych First Aid



Yildiz Mİ, et al. Preventive and Therapeutic Mental Health Care after the Earthquake- Expert Opinion from the Psychiatric Association of Turkey. Turk Psikiyatri Derg. 2023 Spring;34(1):39-49

### WHEN WE LEAVE



Yılmaz S, et al. Emergency Medicine Association of Turkey Disaster Committee Summary of Field Observations of February 6th Kahramanmaraş Earthquakes. Prehosp Disaster Med. 2023 Jun;38(3):415-418

# THE TURKISH PEOPLE





