FIReS Webinar 1

Anglia Ruskin

Fostering innovative resilience of clinical services to major disasters

Disaster Medicine and Healthcare Resilience in Turkey

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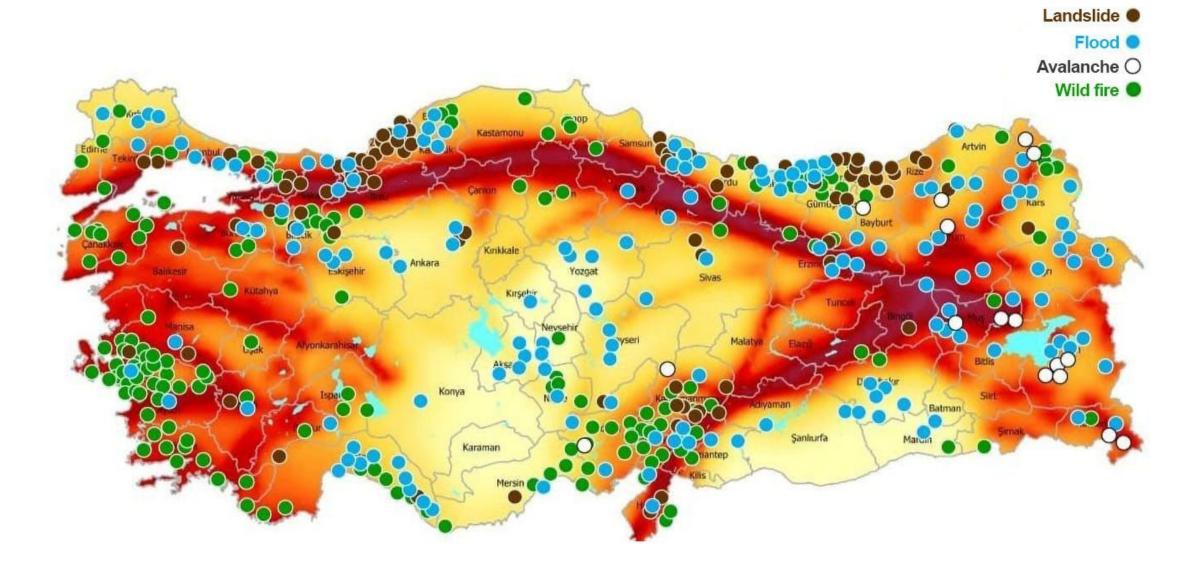




NHS Foundation Trust

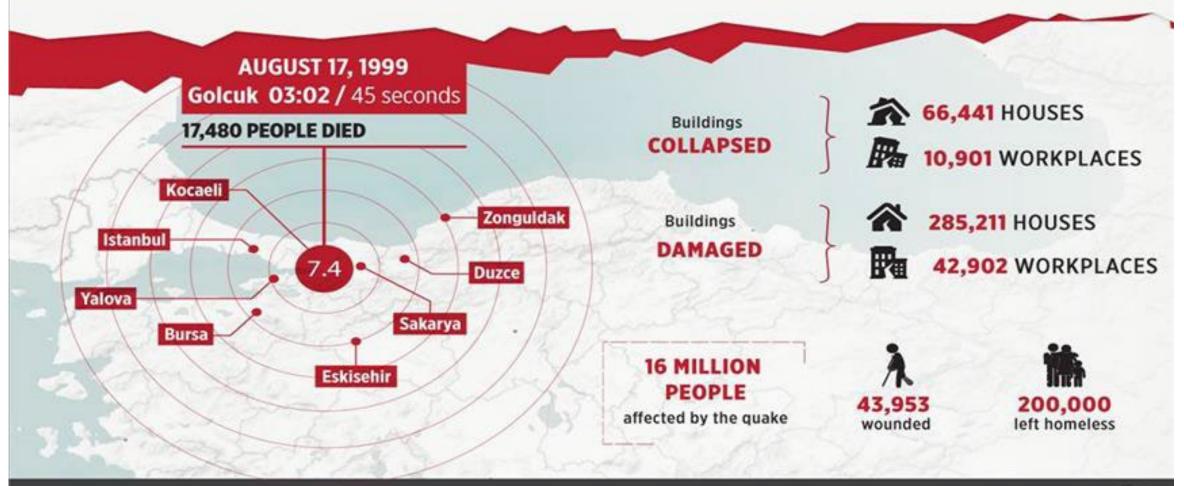
This Presentation

- ISMEP Project and Healthcare System Resilience and Capacity Development Implementation
- COVID-19 and Healthcare Systems Response
- Building education and training capacity in disaster medicine and emergency health services
- What is being done towards 2030 in terms of disaster medicine.

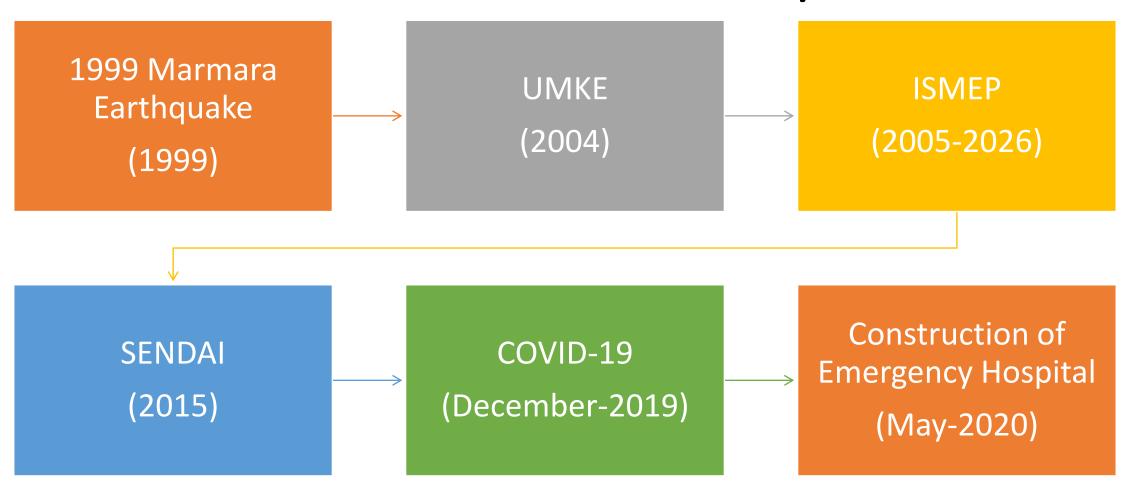


TURKEY MARKS 19TH ANNIVERSARY OF MARMARA QUAKE

The 7.4-magnitude earthquake hit wider Marmara region, causing massive devastation in Kocaeli, Duzce, Sakarya, Istanbul



Key Points for Disaster Medicine and Healthcare Resilience in Turkey



What is ISMEP?



COMPONENT

- Establishment of emergency communication systems
- Establishment of emergency management information system
- Enhancement of institutional capacity of Istanbul AFAD
- Upgrading the emergency response capacity of the first responding agencies on the occurrence of a disaster
- Public awareness raising and training



COMPONENT

- Retrofitting Works
- Reconstruction Works
- Protection of the Cultural Heritage
- Social Guidance



COMPONENT

- Streamlining of the Procedures for Issuing Building Permits at Pilot Municipalities
- Training of Civil Engineers
- Public Awareness and Training

Country-Region:

Turkey – Istanbul

Project Owner:

Republic of Turkey Ministry of Treasury and Finance

Implementing Agency:

Republic of Turkey Istanbul Governorship Istanbul Project Coordination Unit (IPCU)

Project Duration:

2006 - 2025

Fund Sources:

- •World Bank
- •European Investment Bank
- •Council of Europe Development Bank
- •Islamic Development Bank
- •KfW Development Bank
- •Asian Infrastructure Investment Bank
- Ecobank

Project Budget:

2.3 Billion Euro

4x4 Health

Rescue

Vehicles

UMKE & AFAD

Diving Team Vehicles

POLICE, GENDARME & AFAD

Decontamination Vehicle to

use after a possible chemical, biological, radioactive and nuclear contamination

AFAD



660

'Houses of Mevlana' purchased for Turkish Red Crescent (TURKISH RED CRESCENT MARMARA REGION DISASTER MANAGEMENT DIRECTORATE)



CBRN First Responder Vehicle AFAD

Containers

UMKE

0



Seismic sensors

integrated into Kandilli

Observatory Earthquake

Monitoring System



Mobile Lighting Towers UMKE



4x4 Off-road Equipped Search and Rescue Vehicle UMKE & AFAD



Communication vehicles specially prepared for disasters UMKE & AFAD





Survey Vehicles AFAD



4x4 Off-road Emergency Operation Vehicles UMKE & AFAD



Frigofric Trailer UMKE



Operation and Survey Vehicles AFAD



Sliding Canvas Trailers UMKE



Battery Forklifts UMKE



Rescue Vehicle with a K9 Dog

AFAD

UMKE & AFAD





Rescue Equipments



Water purifier: 10 ton per day



Cold storage



UMKE

Diesel Forklifts



Blood Transfusion Vehicle UMKE



Medical Equipments UMKE





Facility



Emergency Operation Vehicle



Land Type

Health

Rescue

Vehicles UMKE & AFAD



AKB Training







| RECONSTRUCTION WORKS | | | | | | | | |
|----------------------------------|-----------|-----------|---------|-----------|--------|-----------|--------|-----------|
| BUILDING TYPES | COMPLETED | | ONGOING | | TENDER | | TOTAL | |
| | Campus | Buildings | Campus | Buildings | Campus | Buildings | Campus | Buildings |
| SCHOOLS | 288 | 317 | 51 | 52 | 5 | 6 | 344 | 375 |
| HOSPITALS | 6 | 6 | | | | | 6 | 6 |
| POLYCLINICS & HEALTH CARE CENTER | 2 | 2 | | | | | 2 | 2 |
| ADMINISTRATIVE BUILDINGS | 7 | 11 | 2 | 2 | | | 9 | 13 |
| DORMITORIES | 1 | 10 | | | | | 1 | 10 |
| SOCIAL SERVICE BUILDINGS | 2 | 6 | | | | | 2 | 6 |
| TOTAL | 306 | 352 | 53 | 54 | 5 | 6 | 364 | 412 |





March-July 2020, Istanbul-Turkey

- ISMEP Project demolished and rebuilt hospitals
- for hospitals to be earthquake resistant and for business continuity to continue no matter what.
- Prioritize Efficiency in All Aspects





Yeşilköy Prof. Dr. Murat Dilmener Emergency Hospital – May 2020 1008 Bed Prof. Dr. Feriha ÖZ Emergency Hospital

Emergency Hospital – May 2020 1008 Bed



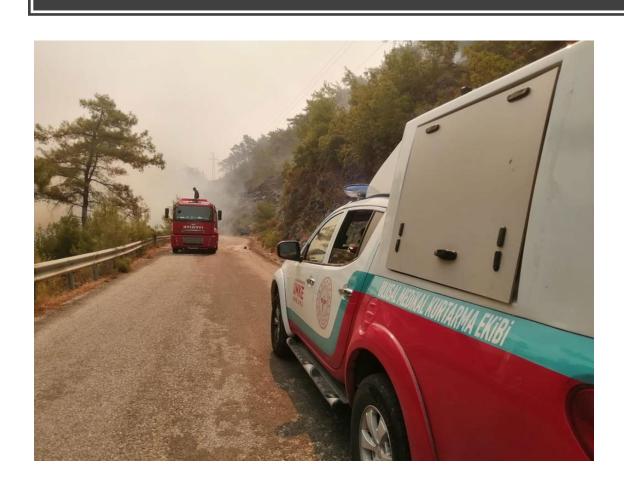
PANDEMİK İNFLUENZA ULUSAL HAZIRLIK PLANI

Ankara-2019

Pandemic Influenza Preparation Plan – December 2019

- Preparation Of The Ministry Pandemic Influenza Preparation And Activity Plan
- Risk Management Approach
- Risk Communication
- Continuity Of Social And Economic Life
- Duties And Responsibilities Of Institutions And Organizations In Case Of A Pandemic
- National Coordination Board
- Ministry Operations Center
- Pandemic Influenza Provincial Preparation And Activity Plan Titles
- Pandemic Influenza Provincial Preparation And Activity Plan Preparation
- Pandemic Influenza Provincial Preparation And Action Plan Checklist
- Preparation Of Pandemic Influenza Preparation And Action Plans For Second And Third Stage Health Institutions

Wildfires – Summer 2021 Antalya-Muğla-Aydın







Flood-Sinop 2021







Winter Storm –İstanbul 2022







Ayancık State Hospital – August-2021



Disaster Medicine - RESEARCH

- Bezmialem Vakif University Institute of Health Science Disaster Medicine PHD Program
- University of Health Science, Institute of Hamidiye Health Science, Disaster Medicine Master and Phd Program
- Karadeniz Technical University, Institute of Health Sciences, Disaster Medicine Doctorate Program
- Hacettepe University, Institute of Health Sciences, Health Management in Disasters Master Program
- Ege University, Emergency Medical Services and Disaster Management Master Progran

Sendai Framework for Disaster Risk Reduction 2015 - 2030



What will be done towards 2030 ?

Towards 2030 Disaster Medicine and Healthcare Resilience in Turkey

- Making the training and exercises of health care personnel measurable, sustainable and transformable into behaviour
- The infrastructure of health care centers and hospitals across the country will continue to be strengthened.
- Developing and disseminating disaster medicine education and training
- Expanding disaster medicine research centers and increasing international cooperation
- Establishment of disaster medicine field research teams

References

(Information used in the presentation official institutions and articles)

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https://acilafet.saglik.gov.tr

Ministry of Interior, Disaster and Emergency Management Presidency - AFAD

https://www.afad.gov.tr

İstanbul Seismic Risk Mitigation and Emergency Preparedness Project (ISMEP)

https://www.ipkb.gov.tr/en/e-library/ismep/

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UIZ

Fostering innovative resilience of clinical services

to major disasters

Thanks

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ResearchGate: https://www.researchgate.net/profile/Hueseyin-Kocak-3















Cambridge University Hospitals Royal Papworth Hospital