

# 39th CMAAO General Assembly

Date: 12-13 December 2025

Theme: Disaster preparedness, response and management

Venue: Gokarna Forest Resort, Kathmandu, Nepal



# Malaysia: Country Overview

## Population

33.5 million residents across Peninsular Malaysia, Sabah, and Sarawak. Diverse ethnic composition with Malay, Chinese, and Indian communities.

## Healthcare Structure

Dual-tiered system with universal public healthcare and growing private sector. 145 public hospitals and 210 private facilities nationwide.

## Disaster Framework

National Disaster Management Agency (NADMA) coordinates national response. Ministry of Health Malaysia (MOH) Crisis Response Team manages health emergencies. MMA supports through volunteer mobilization.



# Key Natural & Man-Made Disasters

## 2014 East Coast Floods

Worst flooding in decades affected 200,000+ people. Healthcare facilities were inundated. MMA mobilized 350 volunteer physicians.

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## 2015 Sabah Earthquake

6.0 magnitude quake killed 18 people. Revealed gaps in mountain disaster response protocols.

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## COVID-19 Pandemic

Infected 5M+ Malaysians. Strained healthcare capacity. Led to Movement Control Orders and vaccination campaigns.

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## Emerging Risks

Climate change, transboundary haze, urban flooding, and cyberattacks on hospital infrastructure.

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# Legal and Structural Frameworks



Malaysia's disaster response is governed by comprehensive legal frameworks. The system enables coordinated multi-agency action during emergencies.



# MOH & Healthcare Disaster Preparedness



## Hospital Guidelines

Standardized protocols for mass casualties and evacuations.



## Mobile Medical Teams

Hazardous Materials Response Team (HAZMAT) and rapid response units are deployable nationwide.



## Disaster Risk Reduction

Integration into healthcare facility planning and construction.



## CPRC

24/7 Crisis Preparedness and Response Centre operations.

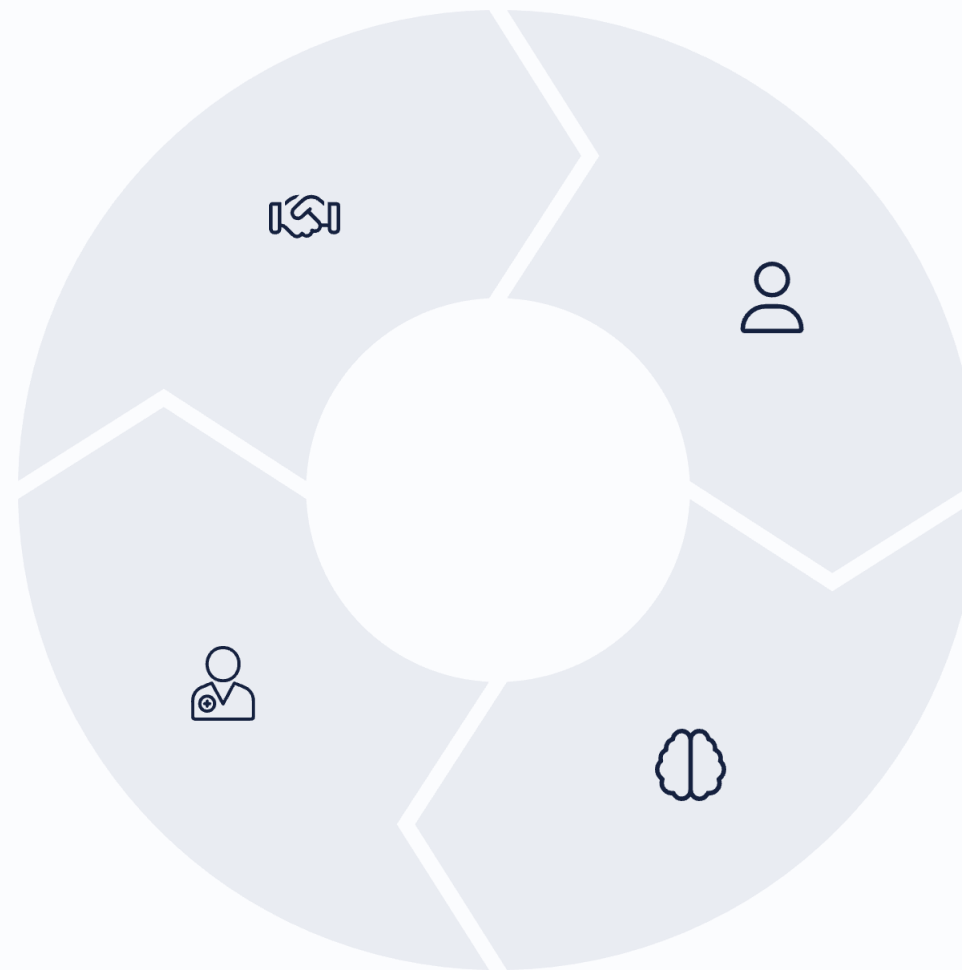
# Role of MMA in Disaster Response

## Coordination

Partnership with MOH, Mercy Malaysia, and Red Crescent

## Advocacy

Disaster funding and healthcare infrastructure policy



## Volunteer Mobilization

MMA Volunteer Corps Committee + Junior Doctors Network Malaysia (JDN-MY)

## Mental Health Support

Post-disaster psychological first aid for victims and providers

# MMA Volunteer Corps (Kelantan Branch) delivering medical support in 2014



# Challenges Identified



## Healthcare Access Disparity

Urban-rural divide in emergency medical services

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## Limited Rural Funding

Insufficient resources for remote area preparedness

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## Provider Burnout

Psychological trauma in healthcare workers

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## Communication Breakdowns

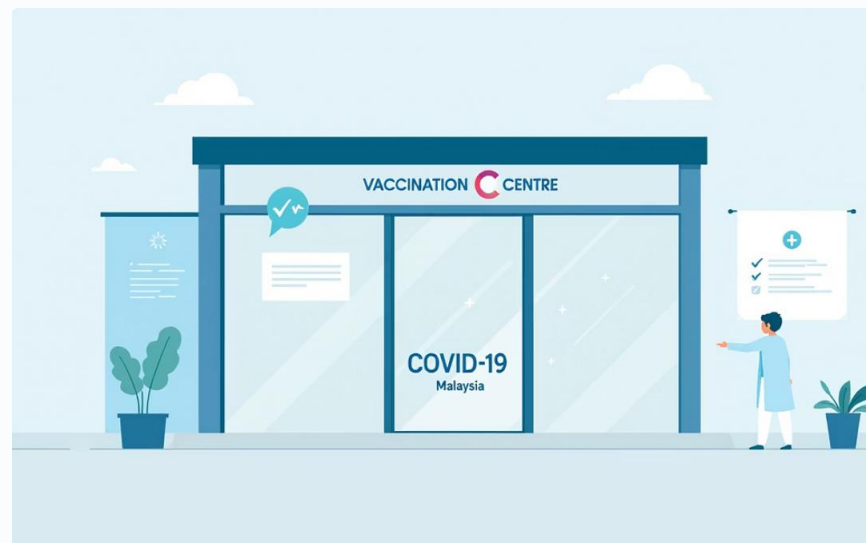
Technology failures during critical response periods

# Innovations from COVID-19



## Remote Care Models

Telehealth platforms connected specialists with remote patients. Systems maintained care continuity during movement restrictions.



## Decentralized Logistics

Community vaccination centers improved accessibility. Mobile teams reached remote populations effectively.



## Digital Tracing

MySejahtera app and Crisis Preparedness and Response Centre (CPRC) dashboards enhanced surveillance. Real-time data improved response coordination and resource allocation.



# Training & Capacity Building

## Hospital Disaster Drills

All healthcare facilities conduct mandatory quarterly simulations. Scenarios include mass casualties, structural collapse, and infectious disease outbreaks.

Post-drill evaluations identify process improvements.

## Medical Education

Disaster medicine curriculum integrated at undergraduate level. Specialized postgraduate training available for emergency physicians.

International certification pathways established.

## Public Awareness

Nationwide CPR training initiative targets 30% population proficiency. Community emergency response teams established in high-risk areas.

School-based disaster preparedness programs implemented.

# Conclusion

**24/7**

**Crisis Response**

Continuous operational readiness

**5000+**

**Healthcare Providers**

Trained in disaster management

**15**

**Regional Partners**

Collaborative emergency agreements

Preparedness saves lives, but partnerships sustain recovery.

Malaysia commits to strengthening regional collaboration. Together, we can build more resilient healthcare systems. Terima kasih.

Thank you

