Lombok Earthquake, 5 August 2018, West Nusa Tenggara, Indonesia

1. Highlights: Causalities and affected health facilities
   - A magnitude 7.0 earthquake occurred on 5 August 2018 18:46 hrs, with epicenter at a depth of 10 km and located in the area of West Nusa Tenggara Province, Indonesia (BMKG). The earthquake was felt in Lombok, Bali and Sumbawa Island. A tsunami warning was triggered, which was cancelled after two hours since only minor tsunami was observed (BMKG). The earthquake was followed by a strong aftershock, measuring M 6.2, with epicenter located 12 km below ground surface next day.
   - As per ASEAN Humanitarian Action (AHA) Center, the latest government figure (9 August 2018) report that there are 259 recorded fatalities, 1,033 injuries, 270,168 internally-displaced people (IDPs), 64,534 damaged houses, and 429 damaged public facilities. However, based on information from WHO NPO in the field, massive search and rescue operation by the government with assistance of Ministry of Public Works has led to updated number of casualties - As of 8th August afternoon, 308 person died. Injured patients have been referred to Mataram City in province capitol of Nusa tenggara barat (NTB) and include 943 inpatient and 182 outpatient; 193 surgeries/operation have been conducted (Source : WHO NPO in the field)
   - Eight health centers (puskesmas) and 1 public hospital in North Lombok District and 2 health centers in East Lombok have been severely damaged and unable to provide health services
   - The emergency response is being led and managed by the Government of Indonesia using its disaster management mechanisms and resources across sectors.
   - Patients are being treated in six hospitals namely the NTB provincial hospital, Mataram City Hospital, Patut Patuh Patju Hospital in Western Lombok, Selong Hospital in Eastern Lombok, Indonesian National Police Hospital and the Indonesian Armed Forces Hospital.

2. Response Operation Strategy has been developed and implemented by Government of Indonesia cluster system
   - Sub health clusters have been established
     - Seven sub health cluster have been established, namely: (1) Health post and medical service working-group; (2) Medicine and logistic working-group; (3) Environmental health working-group; (4) Hospital networking working-group; (5) Data and information working-group; (6) Mental health working-group; (7) surveillance
   - Med-RDC has been deployed
     - Medical team has been received by port health office and directed to have detailed registration in PHO West Nusa Tenggara (NTB) in Mataram City.
     - PIC for this will be Dr Wayan Diantika (Head of Mataram Port Health Office), entry point will be in Praya Airport and Lembar Seaport – 0812 4008 5614
   - Referral system is being established
     - Medical team registered in PHO NTB will be assigned to conduct Rapid Health Assesment ( RHA) and back up the medical services provided by primary healthcare center subsequently
     - Existing hospital will be the main referral hospital for cases captured by the EMTs type-1 mobile
     - EMTs type-2 from Yonkes Kostrad I and II and Marine will provide support for the existing hospital
Due to the high number of major injured casualties (up to 1400 victims), government has deployed three military type-1 fix EMTs and two ship hospitals (equal to EMT type-2).

KRI Soeharso naval ship will back up the heavily-damaged Tanjung Public Hospital parked in Carik Seaport in north part of the island. Ksatria Airlangga from Airlangga Surabaya University will be the backup for Pemenang Puskesmas parked in Bangsal Seaport in west part of the island.

Service areas have been defined for carrying out relief operations:

Center for Health Crisis has divided the operations into three service areas. Each service area will have coordinator from PHO, DHO and Crisis Center. The responsible service areas will be responsible for coordinating the RHA from EMTs deployed.

- **West Lombok Area and Mataram City (capitol of NTB)**:
  - 99 health personnel from 9 teams in 11 health facilities, two attached with Gunungsari and Meninting puskesmas, and the EMT specialist cell for surgery and ortho attached with nine referral hospitals in Mataram City.

- **East Lombok Area**:
  - One EMT Army Health Batalyon in damaged Sembalun puskesmas and EMT specialist cell for orthopedic attached in Selong – East Lombok field hospitals.

- **North Lombok Area**
  - The largest operations in the Kabupaten Lombok Utara (KLU district) with 42 EMT type-1 fix and mobile supporting eight damaged puskesmas and one public hospital;
  - More than 500 humanitarian volunteer deployed with 126 doctors, 172 nurses & 87 specialists
  - So far, 1050 patients have been hospitalized, 62 died in the hospital, 193 major injury, 622 minor injury/outpatient and around 200 surgeries/operations conducted

3. **Gaps Identified**

- Coordination continues to be a challenge, as no definitive head of PHO yet. The coordination between sectors is being difficult to establish;
- Aftershocks continue to occur; difficulties being face in finding safe working stations, electricity and phone signal/internet connection.
- Seven health centers (Puskesmas) are still not able to provide disease report using EWARS; EMTs are being constantly reminded to assist with EWARS reporting. However, the focus right now is to provide services for trauma and injury;
- FETP students is required to assist on the above points;
- No clear SOP on the medical logistic distribution. There are grey areas regarding provision of health equipment with challenges in forecasting of buffer stock and emergency supply requirement;
- IDP camps are scattered; no concentrated IDP yet. Hygiene and sanitation are becoming an issue as no clean water and no toilets available;
- Vector control has already been initiated by BTKL, port health office and MOH.

4. **WHO Response**:

- WHO Indonesia has deployed one National Officer on 6th August to support medical need assessment, EMT coordination and developing response map.

Reference:
AHA center. SITUATION UPDATE No. 3. M 6.4 Lombok Earthquake (29 Jul 2018) & M 7.0 Lombok Earthquake (5 Aug 2018), INDONESIA. 9 August 2018 (available at https://ahacentre.org/situation-update/no3-m7-lombok-earthquake/)
WHO Emergency Programme
Indonesia Country Office
Situation Report (SR-2)
10 August 2018

Attachments: Health Cluster Response Map

Lombok Island

West Lombok

East Lombok

North Lombok