

Emergency and Humanitarian Action (EHA) Unit
WHO Country Office - Indonesia

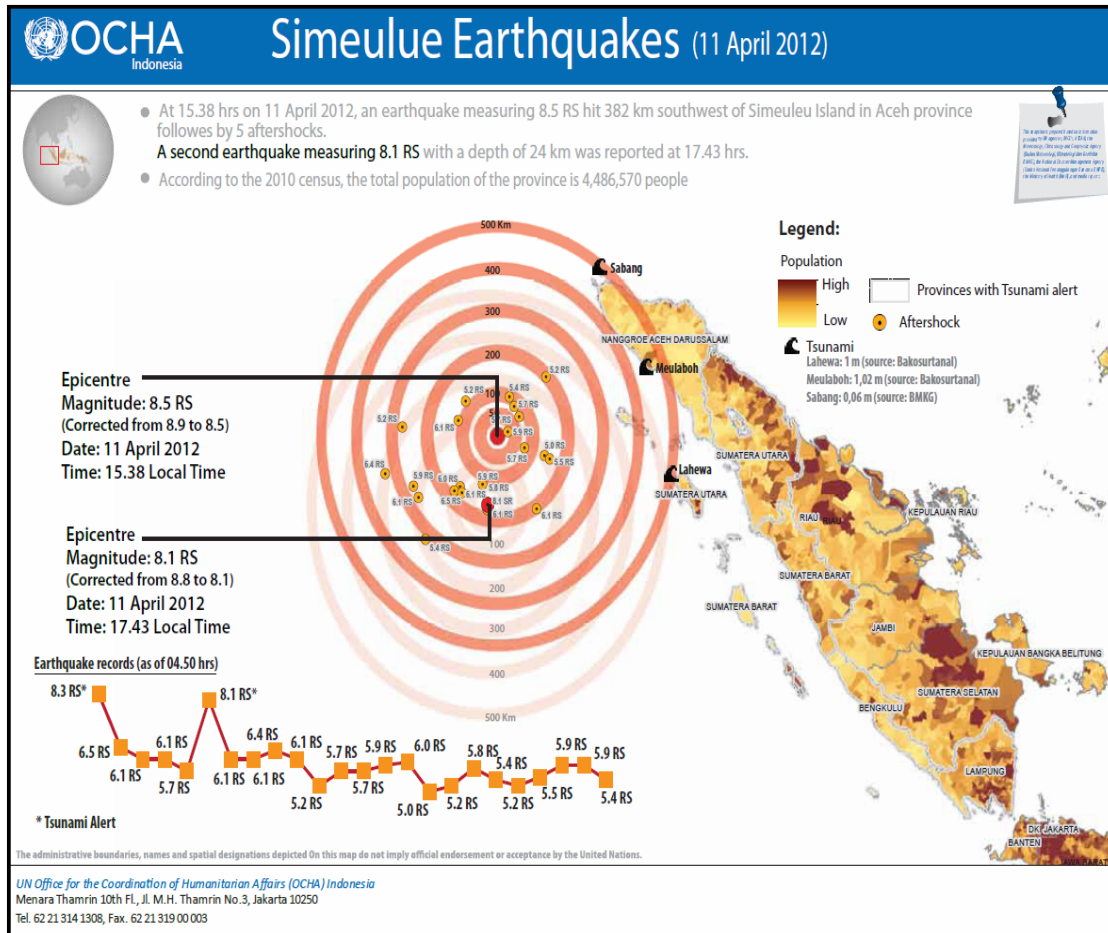
Earthquake in Simeuleu, Aceh Province

SITREP # 2: 13 April at 13.00 PM local time (UCT+7)

HIGH LIGHTS

- On 11 April 2011 at 15.38 PM Western Indonesian Time (UCT+7), a 8.5 Richter scale/RS earthquake hit 346 kilometres south west of Simeuleu with 10 kilometres depth.
- U.S. Geological Survey reported the magnitude of the earthquake as 8.7 RS which took place at a depth of 33 kilometres.
- The tremor was felt in 5 provinces in NAD, North Sumatera, West Sumatera, Lampung and Bengkulu provinces. The local residents were in panic. The tremor was also felt in Singapore and Malaysia.
- National Meteorological, Climatology and Geophysics Agency (BMKG) declared tsunami warning.
- PTWC (Pacific Tsunami Warning System) in Hawaii has also alerted tsunami for Malaysia, India, Sri Lanka, Myanmar and others.
- The aftershocks were reported following the first earthquake. The biggest aftershocks was 8.8 RS at 17:43:06 PM Western Indonesian Time (UCT+7) which hit 483 Km Southwest Simeulue with 10 depth. BMKG continued the tsunami alert;
- Centre for Health Crisis MOH reported the death of 7 persons, hospitalization of 48 patients with major injuries, 59 persons were treated at the outpatient clinics from minor injuries. The damage of health facilities were 3 puskesmas (Panga, Lamno and Lhok Kruet in Aceh Jaya districts).
- In addition to the data from CHC MOH, BNPB reported the damage of 2 houses in Aceh Besar (light damage:1 house and moderate damage:1 house); 1 bridge, 1 boarding house, 1 office and 1 prison. There are 1,000 IDPs located in 14 IDPs camps in Aceh Besar district. IDPs in 4 camps have returned home. There are 150 IDPs in Aceh Barat Daya district.
- Respected District Health Offices and Provincial Health Offices have evacuated the victims, provided medical services, and raised the level of alert of the health facilities.
- West Sumatera PHO established post and raised the alert level at the M Jamil Padang and M Zein Painan South Pesisir hospitals.
- BNPB has deployed the 3 teams to Simeleu, Padang and Bengkulu to conduct rapid assessment and prepared the rapid action team in stand-by position in Halim perdana kusuma airport.
- Centre for Health Crisis deployed a team comprising 7 people to monitor the situation in Aceh province.
- Aceh PHO, North Sumatera PHO, West Sumatera PHO, Bengkulu PHO, Lampung PHO, North Sumatera Regional Center for Health Crisis/RCC, South Sumatera RCC and Center for Health Crisis are assessing the situation.
- WHO is on stand-bye and in close contact with MOH. In case the situation warrant, WHO will provide any assistance needed

The circle shows area of epicentre:



Situation Analysis

- Location** : 2.348 N 93.072 E
- Epicenter** : 346 kilometer south west of Simeuleu
- Tsunami warning**: two tsunami alerts were issued but finally called off at 19.45 PM local time (UCT+7)
- Tremor** : The tremors were felt in 5 provinces in NAD, North Sumatera, West Sumatera, Lampung and Bengkulu provinces. The local residents were in panic. The tremor was also felt in Singapore.

List of the aftershocks as followed:

No	Time	Location	Magnitude	Depth	Area
1	11 April 2012; 15:38:35 UTC+7	2.33 N - 93.05 E	8.3 RS	10 Km	340 km Southwest KAB-SIMEULUE-NAD
2	11 April 2012; 16:28:02 UTC+7	1.21 N - 91.72 E	6.5 RS	42 Km	510 km Southwest KAB-SIMEULUE-NAD
3	11 April 2012; 16:48:03 UTC+7	0.98 N - 90.66 E	6.1 RS	10 Km	630 km Southwest KAB-SIMEULUE-NAD
4	11 April 2012; 17:09:51 UTC+7	2.64 N - 91.67 E	6.1 RS	10 Km	492 km North West KAB-SIMEULUE-NAD

No	Time	Location	Magnitude	Depth	Area
5	11 April 2012; 17:21:27 UTC+7	5.63 LS - 133.78 BT	5.7 RS	23 Km	335 km North West KAB-SIMEULUE-NAD
6	11 April 2012; 17:43:11 UTC+7	0.82 N - 92.42 E	8.1* RS	24 Km	454 km Southwest KAB-SIMEULUE-NAD
7	11 April 2012; 18:04:45 UTC+7	0.72 N - 92.41 E	6.1 RS	10 Km	460 km Southwest KAB-SIMEULUE-NAD
8	11 April 2012; 18:34:13 UTC+7	0.73 N - 93.67 E	6.1 RS	10 Km	341 km Southwest KAB-SIMEULUE-NAD
9	11 April 2012; 18:52:06 UTC+7	1.49 N - 89.81 E	6.4 RS	10 Km	709 km Southwest KAB-SIMEULUE-NAD
10	11 April 2012; 19:10:49 UTC+7	1.26 N - 92.29 E	6.1 RS	10 Km	448 km Southwest KAB-SIMEULUE-NAD
11	11 April 2012; 19:22:13 UTC+7	3.58 N - 93.91 E	5.2 RS	5 Km	237 km Southwest KAB-ACEHJAYA
12	11 April 2012; 19:37:55 UTC+7	2.72 N - 93.23 E	5.7 RS	10 Km	318 km North West KAB-SIMEULUE-NAD
13	11 April 2012; 20:42:38 UTC+7	2.05 N - 93.36 E	5.7 RS	10 Km	310 km Southwest KAB-SIMEULUE-NAD
14	11 April 2012; 20:58:05 UTC+7	1.22 N - 90.53 E	5.9 RS	10 Km	637 km Southwest KAB-SIMEULUE-NAD
15	11 April 2012; 21:08:36 UTC+7	1.12 N - 91.57 E	6.0 RS	10 Km	529 km Southwest KAB-SIMEULUE-NAD
16	11 April 2012; 21:48:58 UTC+7	1.88 N - 93.87 E	5.0 RS	10 Km	260 km Southwest KAB-SIMEULUE-NAD
17	11 April 2012; 22:37:20 UTC+7	3.06 N - 91.86 E	5.2 RS	10 Km	465 km Southwest KAB-ACEHJAYA
18	11 April 2012; 22:41:38 UTC+7	0.87 N - 92.42 E	5.8 RS	10 Km	451 km Southwest KAB-SIMEULUE-NAD
19	11 April 2012; 22:47:02 UTC+7	3.15 N - 92.98 E	5.4 RS	5 Km	350 km Southwest KAB-ACEHJAYA
20	11 April 2012; 23:58:10 UTC+7	2.5 N - 90.25 E	5.2 RS	10 Km	649 km Southwest KAB-SIMEULUE-NAD
21	12 April 2012; 01:15:39 UTC+7	1.81 N - 94.01 E	5.5 RS	10 Km	248 km Southwest KAB-SIMEULUE-NAD
22	12 April 2012; 01:54:51 UTC+7	2.4 N - 92.94 E	5.9 RS	11 Km	351 km Southwest KAB-SIMEULUE-NAD
23	12 April 2012; 02:04:16 UTC+7	1.08 N - 91.77 E	6.0 RS	10 Km	509 km Southwest KAB-SIMEULUE-NAD
24	12 April 2012; 04:02:28 UTC+7	0.07 N - 90.84 E	5.4 RS	13 Km	648 km Southwest KAB-SIMEULUE-NAD
25	12 April 2012; 05:35:55 UTC+7	2.4 N - 91.74 E	5.3 RS	10 Km	484 km Southwest KAB-SIMEULUE-NAD
26	12 April 2012; 06:18:48 UTC+7	3.13 N - 92.76 E	5.1 RS	10 Km	372 km Southwest KAB-ACEHJAYA
27	12 April 2012; 07:29:43 UTC+7	5.73 N - 91.32 E	5.3 RS	124 Km	442 km Southwest SABANG NAD
28	12 April 2012; 09:42:32 UTC+7	3.51 N - 92.08 E	5.1 RS	10 Km	425 km Southwest KAB-ACEHJAYA
28	12 April 2012; 09:54:32 UTC+7	0.97 N - 90.73 E	5.6 RS	10 Km	623 km Southwest KAB-SIMEULUE-NAD
29	12 April 2012; 09:54:32 UTC+7	0.97 N - 90.73 E	5.6 RS	10 Km	623 km Southwest KAB-SIMEULUE-NAD

No	Time	Location	Magnitude	Depth	Area
30	12 April 2012; 14:01:40 UTC+7	2 N – 93.54 E	5.5 RS	10 Km	292 km Southwest KAB-SIMEULUE-NAD
31	12 April 2012; 19:19:36UTC+7	2.01 N – 93.42 E	5.6 RS	10 Km	304 km Southwest KAB-SIMEULUE-NAD
32	12 April 2012; 20:09:47 UTC+7	2.36 N – 93.02 E	5.8 RS	10 Km	229 km Southwest KAB-SIMEULUE-NAD
34	12 April 2012; 21:46:18 UTC+7	3.2 N – 90.73 E	5.1 RS	10 Km	343 km Southwest KAB-ACEH JAYA
35	12 April 2012; 22:07:28 UTC+7	3.44 N – 92.25 E	5.4 RS	10 Km	409 km Southwest KAB-ACEH JAYA
36.	13 April 2012; 2:25:51 UTC+7	3.45 N – 92.48 E	5 RS	10 Km	385 km Southwest KAB-ACEH JAYA
37.	13 April 2012; 3:21:45 UTC+7	3.67 N – 92.11 E	5.5 RS	10 Km	415 km Southwest KAB-ACEH JAYA
38.	13 April 2012; 2:25:51 UTC+7	1.13 N – 93.05 E	5.1 RS	10 Km	376 km Southwest KAB-SIMEULUE-NAD

Source: **BMKG, list of earthquake update (English version), *previously reported 8.8 RS by BMKG and quoted by media**

- The earthquake was slightly different from the deadly quake which hit Aceh in 2004. This one lasted for 5 minutes but in a stable tremor, while the 2004 earthquake's tremors went from slow to fast.
- USGS analyzed that the quake was caused by the earth moving horizontally (not mega thrust), rather than vertically, therefore had not displaced large volumes of water.
- PTWC (Pacific Tsunami Warning System) in Hawaii has also alerted tsunami.
- The National Oceanic and Atmospheric Administration issued a tsunami warning for the following 27 countries: Indonesia, India, Sri Lanka, Australia, Burma, Thailand, Maldives, United Kingdom, Malaysia, Reunion, Seychelles, Pakistan, Somalia, Oman, Madagascar, Iran, United Arab Emirates, Yemen, Comoros, Bangladesh, Tanzania, Mozambique, Kenya, Crozet Islands, Kerguelen Islands, South Africa and Singapore.
- Based on the Indonesian Agency of Survey Coordination and Mapping/*Badan Koordinasi Survei dan Pemetaan Nasional (Bakosurtanal)*, there were elevation of sea level/tsunami in Lahewa, North Nias (1 m- height) and Meulaboh (1.02 m- height)
- Indonesian Meteorological, Climatology and Geophysics (BMKG) reported that tsunami was detected in Sabang (0.06 m-height) at 17.00 PM local time and Meulaboh (0.8 m height) at 17.04 local time (UCT+7).
- BNPB reported that the early warning system was in place, local residents responded in time and moved to higher ground. The mosques and churches also communicated the early warning to the local residents.
- President of Indonesia instructed the Head of NDMA and line ministries to go to the disaster location to assess the damage and casualty.
- OCHA Indonesia requested Humanitarian Country Team (HCT) and the Cluster leads are on standby in the event that international assistance is needed.
- History of Earthquake in Aceh: In 2004, a 9.1-magnitude underwater earthquake struck off the coast of Sumatra, triggering a tsunami that killed more than 200,000 people in 14 countries. Aceh was one of the worst affected areas. The tsunami, which washed away entire communities, caused nearly \$10 billion in damage and more casualties than any other tsunami in the history, according to the United Nations. Indonesia is on the so-called Ring of Fire, an arc of fault lines circling the Pacific Basin that is prone to frequent earthquakes and volcanic eruptions.

Causalities and Damages

Table showing casualties & damage:

Death	Major Injury	Minor Injury	IDPs	Damaged Health Facilities			Damaged House		
				Severe	Moderate	Light	Severe	Moderate	Light
7*	48**	59***	0	0	0	3****	0	0	0

Source: Center for Health Crisis, MOH per 12 April 2012 at 17.00 PM local time (UCT+7)

*The detail of the death is as follow:

No	Province	District/Municipal	Number	Remark
1.	West Sumatera	Padang Pariaman	1	Cardiac disease
2.	Aceh	Banda Aceh	1	Cardiac disease
		Lhoksumawe	1	Transportation crash
		Aceh Barat Daya	1	Cardiac disease
		Aceh Besar	3	Shock
Total			7	

**The detail of major injury/inpatients is as follow:

No	Province	District/Municipal	Health facilities	Number
1.	Aceh	Aceh Jaya	Calang district hospital	1
			Lafno Puskesmas	1
			Banda Aceh Maternal and Children hospital	1
			MTSN Jambo Tapee	1
			BSMI hospital	4
			Islamic Aceh hospital	4
			Harapan Bunda hospital	4
			Meuraxa	28
			Islamic Aceh hospital	1
			Banda Aceh Maternal and Children hospital	2
		Aceh Besar	Saree puskesmas	1
			Ingin Jaya puskesmas	1
		Singkil	Aceh Singkil district hospital	1
Total				48

***The detail of minor injury/outpatients is as follow:

No	Province	District/Municipal	Number
1.	Aceh	Banda Aceh	9
		Aceh Besar	2
		Aceh Jaya	42
		Nagan Raya	6
Total			59

****The list of health facilities damaged: Panga, Lamno and Lhok Kruet Puskesmas, Aceh Jaya province.

- Most of IDPs returned home, however several IDPs preferred to remain staying at higher ground.



- In addition to the data from CHC MOH, BNPB reported the damage of 2 houses in Aceh Besar (light damage:1 house and moderate damage:1 house); 1 bridge, 1 boarding house, 1 office and 1 prison. There are 1,000 IDPs located in 14 IDPs camps in Aceh Besar districts. IDPs in 4 camps have returned home. There are 150 IDPs in Aceh Barat Daya district.
- The extent of the damage in other provinces (e.g. North Sumatera, West Sumatera, Bengkulu and Lampung) is still being assessed.

Communication, Transportation and Electricity Power

Communication

Communication line was disrupted following the incident.

Transportation

Air transportation line to Simeuleu was disrupted. Simeuleu airport remains closed on 12 April 2012.

Electricity Power

Temporary electricity outage was reported in Aceh and North Sumatera province. The electricity supply in Simeuleu and Aceh has been fully restored on 12 April 2011 morning time.

Response

Local Government

- Respected District Health Offices and Provincial Health Offices have evacuated the victims, provided medical services, and put all health facilities at high alert.
- West Sumatera PHO established post and put the M Jamil Padang and M Zein Painan South Pesisir hospitals at stand-by.

National Disaster and Management Agency (NDMA/BNPB)

- BNPB has deployed the 3 teams to Simeleu, Padang and Bengkulu to conduct rapid assessment and prepared the rapid action team at stand-by in Halimperdanakusumah airport.
- The first teams consist of BNPB, Ministry of Public Works, MOH, Social Affair and Indonesian SAR Agency lead by head of BNPB has been deployed from Halim Perdanakusumah airport at 18.30 PM (8 persons). The second team deployed to Padang which lead by Head of Emergency Management Deputy BNPB (8 persons). The third team deployed to Bengkulu lead by Head of Emergency Response Deputy of BNPB (8 persons).
- TNI prepared these following transportation mode in stand-by position

No	Transportation mode	Number
1.	Hercules C-130	2 unit
2.	Boeing 737 plane	1 unit
3.	Fokker plane	1 unit
4.	CN 235	1 unit
5.	Indonesian Navy ship	5 units
6.	SSK Paskhas	1 unit

Center for Health Crisis, Ministry of Health, Republic of Indonesia

- Center for Health Crisis deployed a team consisting of 7 people to monitor the situation in Aceh province.

- Aceh PHO, North Sumatera PHO, West Sumatera PHO, Bengkulu PHO, Lampung PHO, North Sumatera Regional Center for Health Crisis/RCC, South Sumatera RCC and Center for Health Crisis Center are monitoring the situation closely.
- WHO is on stand-by and in close contact with MOH. In case the situation warrant, WHO will provide any assistance needed.

Status of International Aid

So far the government has not officially requested any international aid. The local authorities, with support from central government and ministries, are trying their best to manage the situation.

Important Contacts

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Source of Information from Indonesia

Information is gathered from the following sources. This report is for reference only and should not be quoted as factual accuracy can change.

1. World Health Organization (WHO)
2. Center for Health Crisis MoH/ Pusat Penanggulangan Krisis Kesehatan (PPKK)
3. National Disaster Management Agency (NDMA)/Badan Nasional Penanggulangan Bencana (BNPB)
4. Meteorological, Climatology and Geophysics Agency/Badan Meteorologi, Klimatologi dan Geofisik (BMKG) and
5. Indonesian Agency of Survey Coordination and Mapping/Badan Koordinasi Survei dan Pemetaan Nasional (Bakosurtanal)
6. US Geological Survey
7. OCHA
8. International news media
9. Local news media