

Emergency Situation Report

Number 13

Earthquake in North Sumatra Province and NAD Province, Indonesia

25 April 2005

This report is prepared by WHO, Indonesia.

Reporting date

21 April 2005 (Tuesday)

Type of Emergency

Earthquakes, volcano eruption.

Date and time of emergency incidence

28 March 2005 (Monday), 23:09:06 hrs.

History of the earth quake and place

- A great earthquake was noted at 23:09:36 hrs, local time on Monday, March 28, 2005. The magnitude was 8.7 on the Richter scale and located in Northern Sumatra, Indonesia. The epicenter was located 90 km south of Sinabang with 30 Km Depth 2.065 N 97.010 E
- The earthquake was also felt in Thailand, Singapore, Malaysia and Cocos Island, Australia
- More than 700 aftershocks recorded on island of Nias, 48 aftershocks following the initial earthquake, a further 628 over the following two days and 51 in the first eight hours on 31 March
- On Sunday, 10 April 2005, 10:29 (UTC) or local time at 5: 29 PM an earthquake of magnitude 6.8 on the Richter Scale (data from USGS) occurred with the epicenter located in the Siberut island, one of several island in the Mentawai islands close to Padang
- Three hours after the first shock, there were more than 110 aftershocks, one of them with magnitude of 6.5 on the Richter Scale
- Another earthquake, measuring 6.3 on Richter Scale, hit the Nias region on 16 April at 23:38 local time
- On 12 April 2005 at 3:42 am local time (20:42 GMT Monday) the volcano Mount Talang erupted and spewed volcanic ash about one kilometer around its peak
- Mount Talang has had 8 confirmed eruptions between 1833 and 1968 and is located around 40 km East of Padang City, Capital of West Sumatra Province

Latest earthquake, aftershock

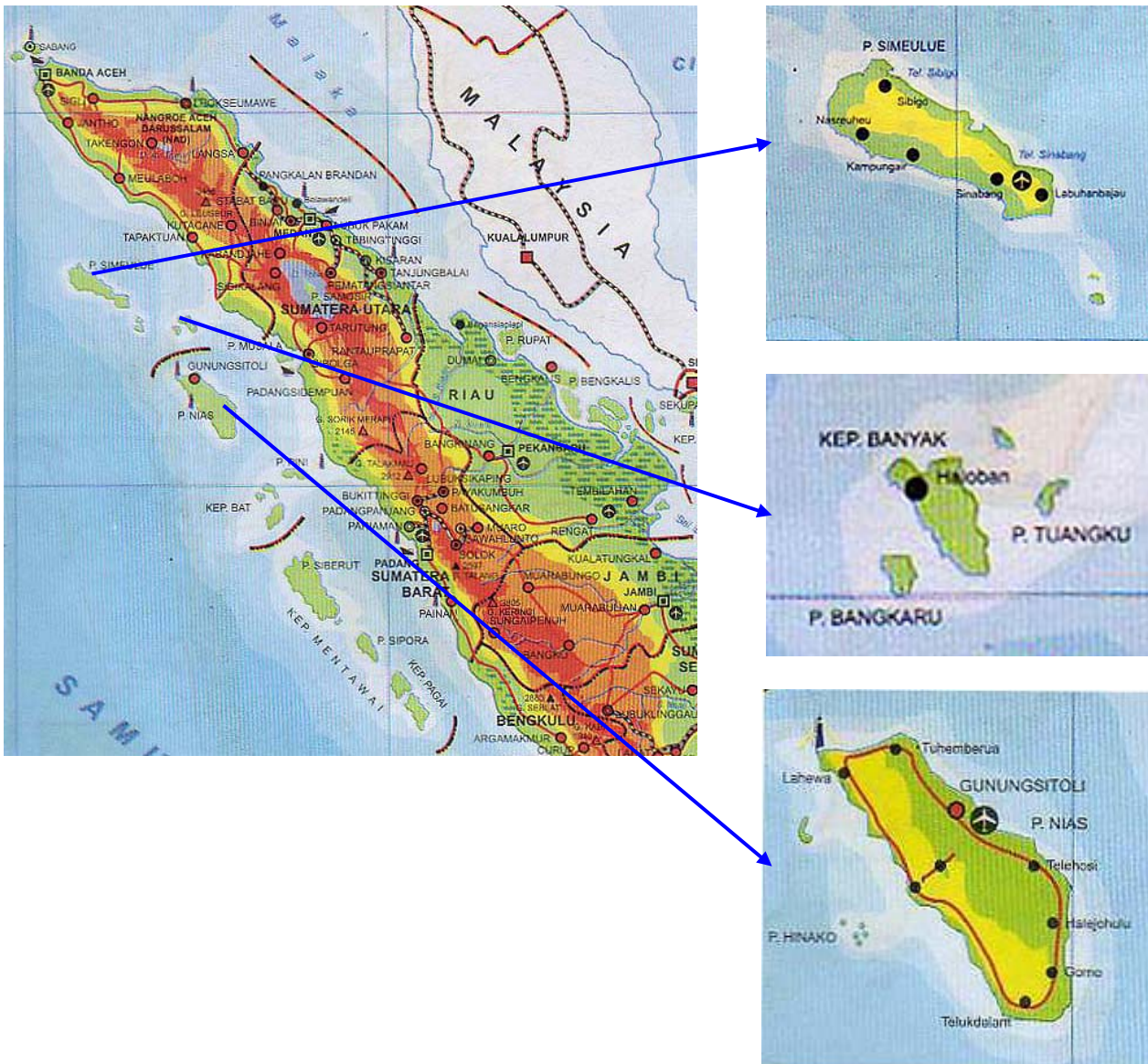
- On Sunday, 17 April 2005, 13:43:55 (UTC) or local time at 8:43:55 PM an earthquake of the magnitude 5.5 on the Richter Scale (data from USGS) occurred with in the Nias Region.
- On Sunday, 17 April 2005, 21:23:51 (UTC) or local time at 4:23:51 PM an earthquake of the magnitude 5.7 on the Richter Scale (data from USGS) occurred with in the Mentawai Region.

Area affected

Major affected areas are the following:

1. Nias Island, North Sumatra Province, Capital Gunung Sitoli, Gido, Gomo and Teluk Dalam (District Capital of South Nias)
2. Simeulue Island, NAD Province
3. Pulau Banyak, NAD Province
4. Singkil, NAD Province
5. Padang, North Sumatra Province

6. Mount Talang, North Sumatra Province



Population at risk

There are no definite estimates of the affected population hit by the earthquake. It is estimated that over 12,000 are affected in Simeulue and approximately 152,320 affected in Nias

Affected population

North Sumatra Province

Nias

- WHO staff in Nias has reported an outbreak of acute diarrhea in the sub district of Alasa - Desa Tugala Oyo where nearly 80 families are said to be affected. A 65 year old man has died and nearly 50 are suffering from diarrhea and vomiting, several in critical condition. Reports indicate that the numbers are too many and too ill to be moved to Gunung Sitoli
- A cholera kit is being sent by WHO to Nias. Laboratory samples are likely to be sent to USS Mercy for testing

- A Measles Vaccination Campaign was started on April 16th 2005 involving 84 health staff members from the PHO. The campaign targets mainly people in IDP sites of age group 3 months to 15 years old. Immunization has been conducted already in 13 IDPs sites (Gunung-Sitoli Sub District) and till 19 April, 767 persons had been immunized. The campaign will continue till 26 April
- The water situation in most areas is now above the minimum standards given in the SPHERE handbook with the exception of Teluk Dalam, reports Oxfam. Oxfam is now distributing 333,000 litres of water daily in Gunung Sitoli to 22,200 people, through 33 water points around the city
- WHO has sent 5,000 blister packs of Malaria medicines to Nias DHO on 20 April. SurfAid has planned to distribute bednets and hold malaria prevention activities in Nias Barat and Teluk Dalam sub districts while IMC has planned similar activities in 5 Nias sub districts of Afulu Namohalo, Lotu, Hiliduho, Tuhem berua
- Several sites in Nias have been fogged as a preventive step against mosquitoes and malaria
- As of 18 of April, the number of medical staff deployed included 219 staffers from Indonesia and 122 from foreign countries (total staff 314)
- On the southern part of the island, health remains a concern with not enough medical NGOs present to cover the needs

Needs

- Clean Water and Food
- Portable Roentgen Equipment

Nanggroe Aceh Darussalam Province

Simeulue

- There is general fear in the minds of population regarding more earthquakes and another tsunami. Outside Sinabang town, the percentage of those living outside homes and/or in the hills remains at around 80 per cent
- Some reports of diarrhoea and skin disease from remote island communities in the southwest have been investigated and are being monitored by the TNI medical units
- MDM have observed an increase in skin complaints while many are believed to be psychosomatic
- The water purification and de-salinisation system for the hospital water is now operational

Singkil District

- An inter-agency mission which conducted an assessment of the situation in Singkil estimated the total number of affected people in Singkil as nearly 19,000
- Health authorities have reported that there is no significant increase in the number of diseases cases before and after the earthquake
- The main health concern among the IDPs is diarrhea, respiratory infection and measles. No earthquake related deaths were reported

- Lack of electricity supply for over 7 days following the earthquake caused the “cold chain” to collapse. Some vaccines (TT) are reported to have already expired
- Medicine and medical supplies are said to be available and adequate for the moment
- Health Office and Pharmacy’s warehouse suffered slight damage during the earthquake. Two health Centers were severely damaged, 5 were slightly damaged out of a total number of 13 health centers. Of the total 59 health posts, 4 health posts were severely damaged while 20 others were damaged slightly. Of the 59 village delivery clinics, 6 delivery clinics were severely damaged
- The situation with the health centers needs to be closely monitored as it may change depending on the number of cases that they may have to deal with
- A generator is urgently required to support the cold chain because the one available has broken

Padang

No additional information available on Padang.

Talang eruption

- As of 18 April, Bakornas and local officials reported a general decrease in activity although volcano had a few sporadic bursts. The alert level has been lowered to level III. The total number of IDP’s has been put at 48,805 persons from 7 sub-districts

Additional information available on Padang, for Talang Eruption see latest ESR Volcano.

Details in Figures

Deaths

No	Province/District	Total
1	North Sumatra Province	
	Nias District	682
	South Nias District	160
	Central Tapanuli District	1
	Sub total	843
2	NAD Province	
	Simeuleu District	35
	Aceh Singkil District	22
	South Aceh District	3
	East Aceh District	1
	Sub total	61
Total		904

Treated victims

No	Province/District	Total Patient								Remarks
		In patient		Walk patient		Evacuations		Deaths		
		17-04-'05	30-03-'05 - 17-04-'05	17-04-'05	30-03-'05 - 17-04-'05	17-04-'05	30-03-'05 - 17-04-'05	17-04-'05	30-03-'05 - 17-04-'05	
1	North Sumatra Province									
	Nias									
	Hospital	11	418	190	2690	6	15	1	4	1 Hospital
	Floating Hospital	6	57	0	0	0	0	1	1	
	Public Health Centers	0	2	0	1428	0	8	0	0	3 HC
	National Health Posts	0	32	621	16984	0	138	0	3	28 post
	International Health Posts	1	19	6619	10454	0	307	0	0	13 post
	South Nias									
	Hospital	0	4	0	75	0	0	0	0	1 Hospital
	Public Health Centers	3	39	85	2807	0	2	0	0	5 HC
	National Health Posts	0	20	473	7189	0	11	0	22	15 Post
	International Health Posts	0	2	0	733	0	12	0	0	2 Post
	Sibolga Hospital	0	149	84	1173	0	0	0	0	1 Hospital
	Central Tapanuli Hospital	0	65	14	182	0	0	0	0	1 Hospital
	Medan Hospital	0	300	19	169	0	0	0	2	12 Hospital
	Total	21	1107	8105	43884	6	493	2	32	
2	NAD (Hospital)									
	Aceh Singkil District	0	0	0	0	0	0	0	0	1
	South Aceh District	0	0	0	0	0	0	0	0	1
	Simeuleu District	0	58	0	1230	0	4	0	9	1
	Total	0	58	0	1230	0	4	0	9	
	Grand Total	21	1165	8105	45114	6	497	2	41	

Health Facility Damaged or Destroyed

No	Province	District	Facility	Condition			Remark
				Lightly Damaged	Heavily Damaged	Totally Destroyed	
1	North Sumatera	Nias	Public Health Center	5	6	0	from total of 18
			Satelite Health Center	36	16	3	from total of 92
			Official Houses				in assesment
			Provincial Health Office				mostly damaged
			Hospital				partially damaged
		South Nias	Public Health Center	6	2	0	from total of 10
			Satelite Health Center	12	20	0	from total of 45
			Official Houses	10	4	0	
2	NAD	Aceh Singkil	Public Health Center	0	2	0	
			Satelite Health Center	12	0	0	
			Official Houses	7	3	0	
			Provincial Health Office	1	0	0	
			GFK	1	0	0	
		South Aceh	Public Health Center	0	1	0	
			Satelite Health Center	0	5	0	

		Official Houses	0	0	0	
	Nagan Raya	Public Health Center	0	0	0	
		Satelite Health Center	1	5	0	
		Official Houses	0	0	0	

WHO / MOH response to the disaster

- WHO is still coordinating and communicating with MoH and PHO on post-emergency
- WHO Medan is currently supporting PHO in developing emergency strategic planning, mental health program plan and emergency preparedness plan.

Contact persons in Indonesia

The following persons can be contacted if more information is needed.

No	Name	Designation	Organization	Contact phone	Fax	E-mail Satellite Phone
1	Dr. Mulya A. Hasjmi Sp. B.	Head of Department	Center for Emergency preparedness and response (PPMK) MOH	081533764161	021-5271111	Crisis@Depkes.go.id
2	Dr. Kyaw Win (Vijay Nath)	Medical Officer	EHA, WHO	021-5204349 0811933821	021-5201164	wink@who.or.id 086811020053
3	Dr Anshu Banerjee	Field Operations Manager (Banda Aceh)	WHO	08121064878	+47-241- 37387	banerjeea@aceh.who.int
4	Sanjay Kumar	Information Manager (Banda Aceh)	WHO	081585310692	+47-241- 37387	kumars@aceh.who.int

Source of Information from Indonesia

Information is gathered from the following sources and it might not reflect the actual true facts at the field level but can be used as references.

1. WHO teams in Nias Island, Medan, Banda Aceh and Jakarta.
2. Bakornas bulletin
3. PPMK, MOH
4. Partners in relief efforts
5. International and local news media