

Emergency Situation Report
Number 14
Earthquake in North Sumatra Province and NAD Province, Indonesia
3 May 2005

This report is prepared by WHO, Indonesia.

Reporting date

30 April 2005 (Saturday)

Type of Emergency

Earthquake

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

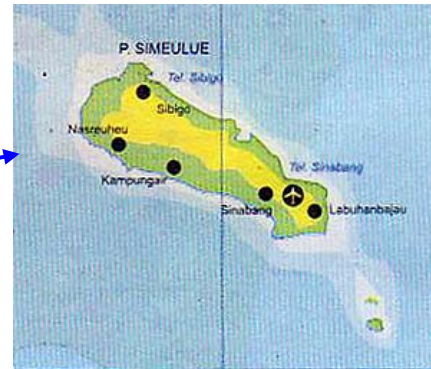
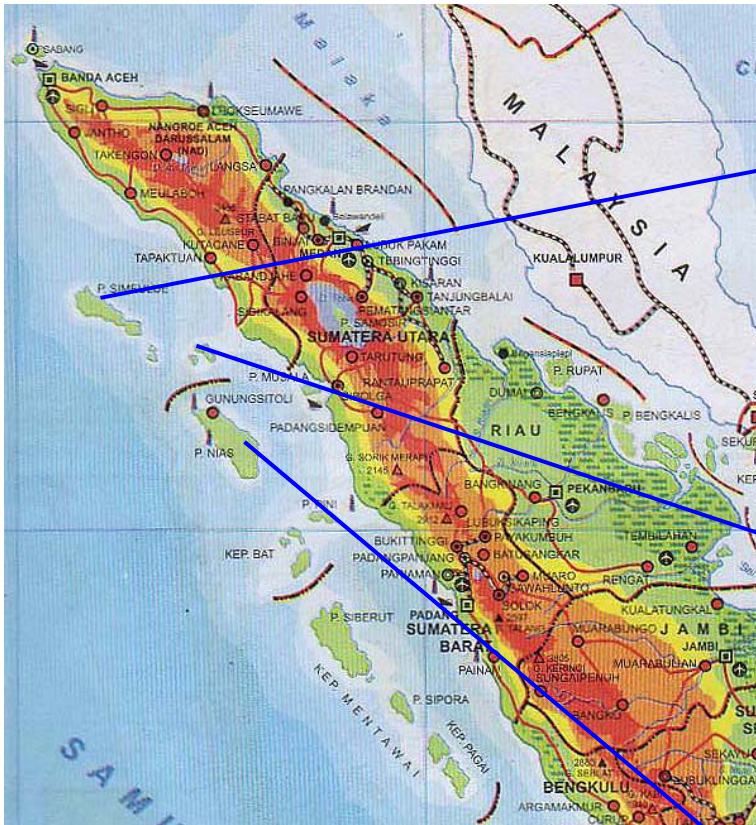
Latest earthquake, aftershock

- On Monday, 25 April 2005, 21:40:14 (UTC) an earthquake of magnitude 5.6 on the Richter scale hit the Nias region
- On Tuesday, 26 April 2005, 17:18:24 (UTC), an earthquake of magnitude 5.1 on Richter scale hit Nias region
- On Wednesday, 27 April 2005, 03:45:35 (UTC), an earthquake of magnitude 5.4 on Richter scale hit the region off the west coast of Sumatra region
- On Thursday, 28 April 2005, 14:07:34 (UTC), an earthquake of magnitude 6.3 on Richter scale hit the Simeulue 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



Additional detailed maps may be accessed at:

<http://www.humanitarianinfo.org/sumatra/mapcentre/catalogue/index.asp>

North Sumatra Province

Nias

- The number of patients evacuated to referral hospitals is: 1897 (out patients) and 281 (inpatients) spread over 12 hospitals in Medan, 1 hospital in Sibolga, 1 hospital in Central Tapanuli, 1 in Gunung Sitoli and 1 hospital at Hilisimietano
- According to the WHO team's Epidemiological Bulletin covering period 18 -24 April 2005, Acute Respiratory Infections (ARI) led the list of most common health problems with 524 cases, followed by diarrhea (219) and clinical malaria or unidentified fever (91)
- USNS Mercy confirmed that several clinical cases of malaria after testing negative for malaria proved to be Dengue T-3 (confirmed by strip test). Agencies reported high ratio of clinical malaria patients that test negative (RDT)
- WHO team is collecting data and reports from health partners and is compiling the data into a comprehensive matrix-database. The first draft is expected to be ready shortly. Information will be available to all actors involved in the Nias humanitarian operations
- WHO is in the process of collecting materials from health partners that are designed specifically for newsletter purposes. Organizations will have the opportunity to present PR information regarding their activities. The newsletter will be disseminated between humanitarian actors, interested individuals and Nias communities
- WHO initiated series of meetings involving Satkorlak, Dinkes and the international community in the planning process targeting establishment of effective emergency evacuation procedures. During the first meeting (26 Apr 05), participants agreed to work in two directions: Dinkes, supported by WHO, will organize an internal meeting workshop for common understanding regarding the vision of the Emergency Evacuation Centre. An Important objective will be to incorporate it in the already existing structures
- The measles vaccination campaign has now moved to more remote areas of the island
- Following requests from families and humanitarian actors, the WHO team has been involved in tracing patients evacuated from the Nias Island in the aftermath of the earthquake. Five patients have been located thus far
- WHO participated actively in process of transferring two problematic patients (kidney failure - 1, open fracture requiring plastic surgery to cover exposed bones – 1) from the USNS Mercy ship to the tertiary health facilities. The objective of the exercise is to make sure that patients transferred from the Mercy Ship will have some access to the recommended treatment. The ship is leaving on 30th April
- WHO has transferred 1000 Malaria test kits to Surf-Aid International
- There are no confirmed cases of cholera or tetanus in Nias. One acute watery diarrhea case in a 30 year-old male was found during a field investigation to Dahana Tugala Oyo village. There was no evidence of an outbreak of acute watery diarrhea or cholera in that area

- One suspected measles case - a 2 year-old boy - was found in Hilihao village, Gunung Sitoli sub-district. Investigations are in progress. A measles immunization campaign will begin this week
- As part of anti-mosquito and antimalaria drive, the Nias DHO had fogged two places in Jl Ampere, Jl Pancasila, Sub district Lasara Bakis, Gunung Sitoli, inhabited by 102 families
- The mental health survey has been done involving the MOH, Nias DHO and Nias Selatan DHO staffs in Teluk Dalam sub district and Nias Selatan
- WHO, the PHO, together with Center for Health Informatics and Learning Faculty of Gadjah Mada Universithier, Yogyakarta will conduct mapping of health facilities in Nias and Nias selatan which will begin with a workshop on the 30th April 2005 and extended to the field on 1st May 2005
- WHO will be implementing a reporting system for the medical teams working in Nias within the next few days. WHO is also working with OCHA HIC to produce a matrix showing assessed areas from a medical perspective and an overview of "who does what and where"

Needs

- Portable X-ray equipment
- Fogging in the IDP site
- Health Promotion
- Health facilities mapping
- Medical staff

Nanggroe Aceh Darussalam Province

Simeulue

- SATLAK Simeulue reports 37 dead and 230 injured from the 28 March earthquake. The total number of displaced persons is 71,550 and 13,015 houses have been either totally or severely damaged
- Over the past few days there have been several large aftershocks and a large number of smaller tremors forcing the population to remain in a high state of anxiety. The percentage of displaced population, outside of Sinabang, remains roughly around 80%
- WHO has been participating in the health sector coordination meeting at the Sinabang Hospital
- The District Office of the Ministry of Health (MoH) has established a Nutrition Coordination Group

Singkil District

No additional information available

Padang

No additional information available on Padang.

Talang eruption

No additional information available

APPENDIX:

Mortality and Morbidity Weekly Surveillance, Nias

Disease specific morbidity and mortality indicators (from active and passive surveillance system)

Diseases	0-4 years		5 years and +		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Acute watery diarrhoea	119	0	100	0	219	0
Bloody diarrhoea	0	0	0	0	0	0
Clinical malaria	21	0	62	0	83	0
Other fever above 38°	3	0	5	0	8	0
Suspected measles	1	0	0	0	1	0
Acute respiratory infection	171	0	353	0	524	0
Acute jaundice syndrome	2	0	1	0	3	0
Meningitis	0	0	0	0	0	0
Tetanus	0	0	0	0	0	0

Source: *Epidemiological Bulletin, Week 16-2005 (Week-04 Post-Disaster)*
(18 – 24 April 2005) Nias District Communicable Disease Centre

Contact persons in Indonesia

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

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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