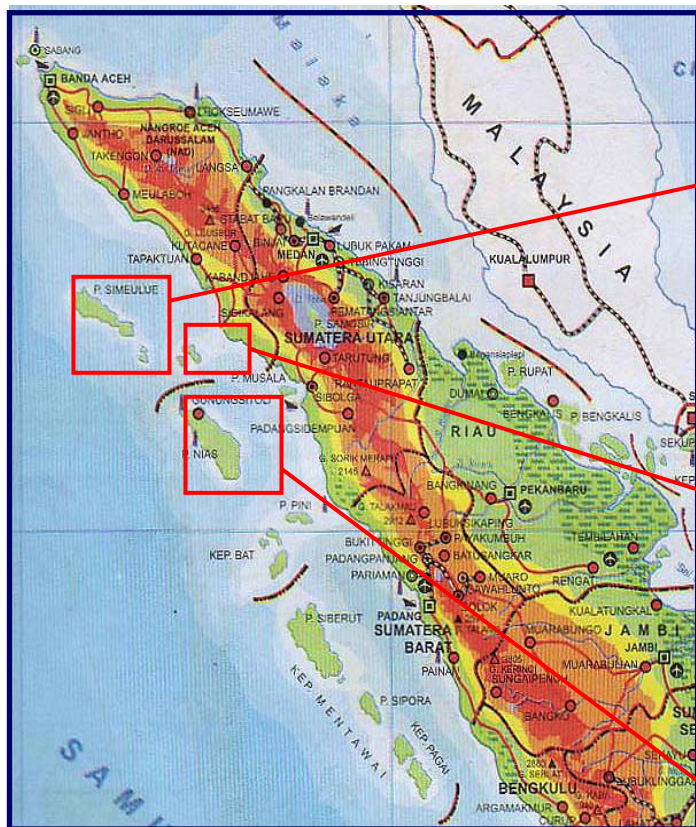




World Health Organization (WHO) Indonesia
Emergency and Humanitarian Action – EHA Section
Emergency Situation Report No. 16, 18 May 2005
Earthquake in North Sumatra Province and NAD Province, Indonesia

This report is prepared by WHO, Indonesia



North Sumatra and Aceh (NAD)



Simeulue Island (NAD Province)



Banyak Island (NAD Province)



Nias Island (North Sumatra)

Additional detailed maps may be accessed at:

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

Reporting date

13 May 2005 (Friday)

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

Latest earthquake, significant 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. Padang, North Sumatra Province
3. Simeulue Island, NAD Province
4. Banyak Island, NAD Province
5. Singkil, NAD Province

Population at risk

- People of the North Sumatra Province in the Nias Island Region.
- People of the Aceh (NAD) Province in the Simeulue Island and Banyak Island Region also Singkil District.

FIGURES

North Sumatra Province

No	Status	Figures	Remarks	
1	Casualties or deaths	853 people	685 people 165 people 1 person 1 person 1 person	Nias District Nias Selatan District Langkat District Madina District Sibolga City
2	Injured	792 (in-patients) 60,013 (out-patients)	Gunung Sitoli Hospital Total of both Nias and Nias Selatan District	
	Evacuations	161 (in-patients) 1886 (out-patients)	Referral Hospitals in: <ul style="list-style-type: none"> • Medan (12 Hospitals) • Sibolga (1 Hospital) • Tapanuli Tengah (1 Hospital) • Gunung Sitoli (1 Hospital) • Hilisimietano (1 Hospital) 	
3	IDPs	22,388 people	12,542 people 597 people 6,615 people 2,232 people 64 people 330 people 8 people	Nias District Nias Selatan District Tapanuli Tengah District Madina District Medan City Sibolga City Simalungun District

Aceh (NAD) Province

No	Status	Figures	Remarks	
1	Casualties or deaths	62 people	37 people 22 people 3 people	Simeulue District Aceh Selatan District Aceh Singkil District
2	Injured	230 people		
3	IDPs	81,816 people	53,541 24,742 3,533	Simeulue District Aceh Singkil District Aceh Selatan District

Damages FIGURES

North Sumatera Province

No	Status	Figures	Remarks
1	Public infrastructures - Electricity - Water - Roads	operational operational accessible	Rehabilitated network and genets - Public Hydrant Tanks - Mobile Water Tanks - Knock Down WC - reconstruction of road network - alternative roads
2	Private Property - Houses	16,580 houses 59,753 houses	Totally damaged Light – heavy damages

Aceh (NAD) Province

No	Status	Figures	Remarks
1	Public infrastructures - Electricity - Water - Roads	operational operational accessible	Rehabilitated network and genets - Public Hydrant Tanks - Mobile Water Tanks - Knock Down WC - reconstruction of road network - alternative roads
2	Private Property - Houses	7,528 houses	Light – heavy damages

Government Support

Government support continues at national level through the National Coordination Board for Disaster Management (BAKORNAS), and provincial and district level through the Province or District Coordination Board for Disaster Management (SATKORLAK)

According to the official updated list there are 22 organizations (3 National) working in Health Sector.

WHO and MoH Support

Ongoing Activities

WHO Banda Aceh Update

Banda Aceh

There will be a workshop on Hospital Revitalization in Medan on June 1-3, 2005, which will discuss the program to strengthen the hospital health system and building the master plan that consist of the needs from each hospital affected by tsunami and

earthquake based on the prior assessment of the human resources, equipment and physical condition of every hospital.

In this phase, WHO will be assisting the PHO to return the whole health system back to the regular system, such as the diseases surveillance system in PHC level, medical supply system, and the reproductive health surveillance system.

Particularly in medical supply system, the PHO with assistance from WHO and the Medical Supply working group has been developed the LPLPO, the form which will be use for provincial and all district drug warehouses to purchase and control their drug supply. This form is also can be use for any parties if they intent to purchase drug from the district drug warehouse in their working area.

Workshop on the Management of IDPs has been conducted in Banda Aceh. The objective of the workshop was to improve sustainability and quality of life of IDPS in the temporary living camp (TLC), by clear identification of the role and function of 3 components responsible for the IDPS management i.e. IDPS, TLC manager and Service including health Provider (Government, Agencies and NGOs).

Singkil

Based on the Interagency (WHO, WFP, IOM and IMC) assessment in the Singkil District, post earthquake 28 March 2005, a view recommendation has been gathered which includes issues on shelter, health, water and sanitation, IDPS priority and security.

The situation concerning the health centers needs to be closely monitored, as it may change depending on the number of cases that it may have to deal with. A generator is urgently required to support the cold chain because the one available has broken. Restoration of electric power is not readily due because of the amount of work to be done. Also there is a need to support the water supply especially in those communities where the IDPs are using the river as their main source to meet their entire requirement for water.

Simeulue

WHO has been working with the Simeulue District Health Office (DHO) to map all health organization working in Simuelue and to gather the general needs and recommendation for the Simeulue Island.

The recommendations are:

- Recruit national health care staff or identify an NGO to work in Sinabang Hospital as staffing is a major issue.
The needs are: General Practitioner (3), psychiatrist (1), dentist (1), pharmacist (1), and psychologist (1).
For the whole districts, the needs are General Practitioners (16), Dentists (3), Midwives (48), Nurses (61).
- To fulfill the initial operational cost of the temporary hospital built on earthquake day.
- Early warning disease surveillance conducted by District Health Office to work through agencies/NGOs and health clinics to include this area within its early warning disease surveillance system.

- To strengthen the mobile clinic, the needs are motorcycle to reach the remote areas 10 units. Human resources are General Practitioners (6), psychologists (6), ambulance 4 units
- One unit of mobile clinic by sea.
- Another organization should begin the construction of emergency latrines in or near congested IDP settlements. This should be complemented by a hygiene education campaign focusing on safe water, use of sanitary facilities and hand washing.

WHO Medan Update Program

Malaria

- On Wednesday, 11 of May 2005, there was a meeting of the Malaria group in Nias. The meeting was attended by DHO Nias, WHO, UNICEF and others NGO's concerned with malaria sector. DHO have asked all agencies to coordinate with them in solving the malaria problem in Nias. The meeting also concluded 4 steps that should be taken to intervene malaria problem in Nias, as mentioned below :

1. Case finding and prompt treatment
2. Distribution of nets, IRS
3. Activate outbreak alert system trough running the surveillance system
4. Community education

The meeting also discussed about the less sensitivity of BINAX RDT which was donated by WHO as reported by Surfaid. However, the group has to wait the MOH RDT national guidelines.

- CDC department MoH together with WHO have conducted the Workshop on treatment procedure for Non Complication Case and Malaria Surveillance for District Level Doctors and the Malaria Program District officers of North Sumatera DHO, started from Monday, 16th may 2005 until Wednesday, 18th may 2005.
- WHO has delivered the 20.000 blister of Malaria ACT to the North Sumatra PHO at Tuesday 17th of May 2005, in order to cover their plan in distributing the respective medicine to the 25 Districts in the North Sumatra.

Family Health

- WHO had encouraged the Sub Dinas family health Provincial Health Office to develop the emergency strategic planning. Finally, they were success to compile their idea in the three matrixes. They have asked WHO to pass their request to MoH sub Directory Nutrition regarding lesson learnt from NAD province and the Nutritional program plan for Nias.
- UNICEF informally informed WHO about the possibility to conduct the nutritional and MCH survey in both Districts. However, they need the official letter from PHO mentioning the necessity of the Survey.

Immunization

- PHO and the 2 DHOs have conducted the crash program for measles immunization in IDP's site. Together with the program they also distributed Vitamin A to the IDPs. The table below shows the immunization and Vitamin A coverage as per 16 of May 2005

Coverage of Measles Immunization and Vitamin A in IDP's Site

16th of May 2005

No	District	Number Of IDPs	Target 6mth -15 yr	Measles		Vitamin A	
				number	percentage	Blue	Red
1.	Sibolga	1200	400	160	40%	0	0
2.	Tap.Tengah	7187	1157	1171	101.2 %	0	0
3.	Nias Selatan	2314	694	718	103.5 %	0	0
	Nias	3636	1091	1048	96.1 %	139	765
4.	Total	14.332	3.342	3.097	92.7 %	139	765

Health facilities mapping

- The team had already finished the data collection activity. The final result of data analysis will be presented in the next two weeks.

Health Priority Need

- Clean water and Food
- Supplementary Feeding
- Baby Weighing Scale
- Doctors for Lukas Hospital and Teluk Dalam Health Center

Problem

- Many NGOs have not yet reported their activities to the Health Authority
- There has been a gap of communication between PHO and DHO level

The following person 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 in the current field level but can be used as references.

- WHO teams in Nias Island, Medan, Banda Aceh and Jakarta
- BAKORNAS bulletin
- PPMK, MOH
- Partners in relief efforts
- International and local news media