

Analysis Results

In the event of madagascar earthquake (m 4.5) how many madagascar count map 2015 (v4) might die or be displaced?

Number of fatalities	0
Number of people displaced	1,092
Total affected population	1,092
Unaffected population	280,769
Total population	281,862
Population needing evacuation ¹	1,092

Evacuated population minimum needs

Relief items to be provided single	Total
Toilets	55
Relief items to be provided weekly	Total
Rice [kg]	3,058
Drinking Water [l]	19,110
Clean Water [l]	73,164
Family Kits	219

Action checklist

- ✓ Are there enough water supply, sanitation, hygiene, food, shelter, medicines and relief items available for 1,100 people?
- ✓ How will warnings be disseminated?
- ✓ What are people's likely movements?
- ✓ Which group or population is most affected?
- ✓ Who are the vulnerable people in the population and why?
- ✓ What are people's likely movements?
- ✓ What are the security factors for the affected people?
- ✓ What are the security factors for relief responders?
- ✓ How will we reach displaced people?
- ✓ What kind of food does the population normally consume?
- ✓ What are the critical non-food items required by the affected population?
- ✓ If yes, where are they located and how will we distribute them?
- ✓ If no, where can we obtain additional relief items and how will we distribute them?
- ✓ What are the related health risks?
- ✓ Who are the key people responsible for coordination?
- ✓ Are there enough covered floor areas available for 1,100 people?
- ✓ Are there enough shelters and relief items available for 1,100 people?
- ✓ If yes, where are they located and how will we distribute them?
- ✓ If no, where can we obtain additional relief items from and how will we transport them?
- ✓ Are there enough water supply, sanitation, hygiene, food, shelter, medicines and relief items available for 1,100 displaced people?

Notes and assumptions

- Total population in the analysis area: 282,000

- ¹People are displaced if they experience and survive a shake level of more than 5 on the MMI scale.
- The fatality calculation assumes that no fatalities occur for shake levels below 4 and fatality counts of less than 50 are disregarded.
- Fatality model is from Institut Teknologi Bandung 2012.
- Map shows the estimation of displaced population.
- Numbers reported for population counts have been rounded to the nearest 10 people if the total is less than 1,000; nearest 100 people if more than 1,000 and less than 100,000; and nearest 1000 if more than 100,000.
- Rounding is applied to all population values, which may cause discrepancies when adding values.
- The extent and severity of the mapped scenario or hazard zones may not be consistent with future events.
- The impacts on roads, people, buildings and other exposure elements may differ from the analysis results due to local conditions such as terrain and infrastructure type.

Analysis details

Hazard details

Madagascar Earthquake (M 4.5) - sourced from Not specified

Exposure details

Madagascar count map 2015 (v4) - sourced from Not specified