

In the event of a Earthquake, how many Structures might be affected?

Estimated number of structures affected per mmi intensity

Hazard Zone	Count
X	0
IX	0
VIII	1
VII	0
VI	4
V	22
IV	4
III	0
II	0
I	0
<b>Total Exposed</b>	<b>31</b>

Structures	Count
Affected	31
Not Affected	0
Not Exposed	0

- Affected:** An exposure element (e.g. people, roads, buildings, land cover) that experiences a hazard (e.g. tsunami, flood, earthquake) and endures consequences (e.g. damage, evacuation, displacement, death) due to that hazard.

Estimated number of structures affected by structure type

Structure type	Affected					Total not affected	Total not exposed	Total
	VIII	VI	V	IV	Total affected			
Ps	1	3	11	4	19	0	0	19
Cs	0	1	11	0	12	0	0	12
<b>Total</b>	<b>1</b>	<b>4</b>	<b>22</b>	<b>4</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>31</b>

## Aggregation result

Estimated number of structures affected by aggregation area

Aggregation area	Cs	Ps	Total
Estaquinha	2	0	2
Machanga	1	0	1
Chibabava	1	0	1
Muxungue	3	1	4
Goonda	1	3	4
Mavue	1	1	2
Chigubo	0	1	1
Massangena	0	1	1
Zinave	1	0	1
Save	0	4	4
Espungabera	1	0	1
Dacata	0	2	2
Chitobe	1	2	3
Dombe	0	1	1
Save	0	1	1
Chiurairue	0	2	2
<b>Total</b>	<b>12</b>	<b>19</b>	<b>31</b>

## Notes and assumptions

### Analysis notes

- Columns and rows containing only 0 or "No data" values are excluded from the tables.

### Structure exposure general notes

- The impacts on roads, people, buildings and other exposure elements may be underestimated if the exposure data are incomplete.
- Structures overlapping the analysis extent may be assigned a hazard status lower than that to which they are exposed outside the analysis area.
- Numbers reported for structures have been rounded to the nearest 100 if more than 1,000 and less than 100,000; and nearest 1000 if more than 100,000.
- Rounding is applied to all structure counts greater than 1,000 which may cause discrepancies between subtotals and totals.
- Note that report rows containing totals are calculated from the entire analysis area totals and then rounded, whereas the subtotal rows are calculated from the aggregation areas and then rounded. Using this approach we avoid adding already rounded numbers and in so doing compounding the rounding.

### Earthquake general notes

- 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.
- The analysis extent is limited to the extent of the aggregation layer or analysis extent. Hazard and exposure data outside the analysis extent are not included in the impact layer, impact map or impact reports.

#### Affected notes

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- Exposures in the following hazard classes are considered affected: X, IX, VIII, VII, VI, V, IV, III, II

#### Analysis details

**Hazard source** M 7.0 - Mozambique Earthquake 2006 - source not available -

**Exposure source** Health Facilities - MISAU -

**Aggregation source** Aggregation by Post - National - CENACARTA -

**Impact Function** Earthquake Raster On Structures Point