

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

Estimated number of structures affected per mmi intensity

Hazard Zone	Count
X	0
IX	0
VIII	21
VII	36
VI	119
V	675
IV	718
III	0
II	0
I	0
Total Exposed	1,600

Structures	Count
Affected	1,600
Not Affected	0
Not Exposed	2

- 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	VII	VI	V	IV	Total affected			
Primary school 1	13	17	48	237	243	558	0	1	559
Primary school 2	8	10	39	196	207	460	0	1	461
Technical school	0	0	0	3	6	9	0	0	9

Secondary school 1	0	0	2	5	11	18	0	0	18
Adult school	0	0	0	0	1	1	0	0	1
Secondary school 2	0	0	2	4	9	15	0	0	15
Education center	0	0	0	0	1	1	0	0	1
Primary school	0	9	28	200	195	432	0	0	432
Senior support center	0	0	0	0	1	1	0	0	1
Secondary school	0	0	0	11	3	14	0	0	14
Literacy center	0	0	0	8	21	29	0	0	29
University	0	0	0	2	6	8	0	0	8
Day care	0	0	0	5	5	10	0	0	10
Institute	0	0	0	0	3	3	0	0	3
Educational facility; unspecified	0	0	0	2	1	3	0	0	3
Disabilities support center	0	0	0	1	2	3	0	0	3
Orphanage	0	0	0	1	3	4	0	0	4
Total	21	36	119	675	718	1,600	0	2	1,600

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

- 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 Education Facilities - ADRF -

Aggregation source not used

Impact Function Earthquake Raster On Structures Point