

Analysis question

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

General report

Estimated number of structures affected per hazard zone

Hazard Zone	Count
High	3,000
Medium	3,600
Low	544
Total Exposed	7,100

Structures	Count
Affected	6,600
Not Affected	544
Not Exposed	4,400

- **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.

Analysis detail

Estimated number of structures affected by structure type

Structure type	Affected			Not affected		Total not exposed	Total
	High	Medium	Total affected	Low	Total not affected		
Health	1	0	1	0	0	0	1
Other	3,000	3,600	6,600	544	544	4,400	11,500
Total	3,000	3,600	6,600	544	544	4,400	11,500

Aggregation result

Estimated number of structures affected by aggregation area

Aggregation area	Health	Other	Total
Ancuabe	0	110	110
Chire	0	99	99
Macomia	0	80	80
Mecufi	0	12	12

Meluco	0	31	31
Mocimboa da praia	0	47	47
Montepuez	0	2	2
Mueda	0	3	3
Muidumbe	0	20	20
Namuno	0	32	32
Nangade	0	2	2
Palma	0	52	52
Pemba	0	36	36
Quissanga	0	26	26
Bilene	0	87	87
Chkw	0	31	31
Chibuto	0	123	123
Chigubo	0	46	46
Guij	0	25	25
Mandlakazi	0	301	301
Xai-xai	0	84	84
Funhalouro	0	68	68
Govuro	0	54	54
Homoine	0	101	101
Inharrime	0	64	64
Inhassoro	0	26	26
Jangamo	0	59	59
Mabote	0	38	38
Massinga	0	109	109
Morrumbene	0	83	83
Panda	0	77	77
Vilanculos	0	102	102
Zavala	0	61	61
Gondola	0	64	64
Machaze	0	39	39
Macossa	0	1	1

Mossurize	0	6	6
Sussundenga	0	62	62
Magude	0	55	55
Manhia	0	55	55
Marracuene	0	8	8
Matutune	0	6	6
Angoche	0	178	178
Erati	0	92	92
Meconta	0	127	127
Mecuburi	0	20	20
Memba	0	176	176
Mogovolas	0	194	194
Moma	0	242	242
Monapo	0	318	318
Mongincual	0	141	141
Mossuril	0	105	105
Muecate	1	67	68
Murrupula	0	80	80
Nacala velha	0	76	76
Namapa	0	210	210
Nampula	0	100	100
Buzi	0	136	136
Caia	0	29	29
Cheringoma	0	18	18
Chibabava	0	53	53
Dondo	0	37	37
Gorongosa	0	26	26
Machanga	0	54	54
Maringue	0	12	12
Marromeu	0	22	22
Muanza	0	30	30
Nhamatanda	0	41	41

Mutarara	0	54	54
Alto molocue	0	9	9
Chinde	0	1	1
Gile	0	106	106
Ile	0	204	204
Inhassunge	0	27	27
Lugela	0	51	51
Maganja da costa	0	207	207
Mocuba	0	144	144
Mopeia	0	72	72
Morrumbala	0	154	154
Namacurra	0	133	133
Nicoadala	0	190	190
Pebane	0	204	204
Total	1	6,600	6,600

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.

Cyclone general notes

- The analysis performed here only considers the impact of **severe winds** from tropical cyclones. The impact of other associated hazards (storm surge inundation, flood) must be analysed separately.
- 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: High, Medium

Analysis details

Hazard source Cyclone Wind - 100 year return period - source not available -

Exposure source Human Settlements - Villages - CENACARTA-INE -

Aggregation source Mozambique Districts - DIVA GIS -

Impact Function Cyclone Raster On Structures Point