

Analysis question

In the event of a Flood, how many Population might be affected?

General report

Estimated number of people affected per hazard zone

Hazard Zone	Count
High	205,000
Medium	52,700
Low	59,700
Total Exposed	317,000

Population	Count
Affected	257,000
Not Affected	59,700
Not Exposed	4,403,000
Displaced	215,000

- **Exposed people:** People who are present in hazard zones and are thereby subject to potential losses. In InaSAFE, people who are exposed are those people who are within the extent of the hazard.
- **Affected people:** People who are affected by a hazardous event. People can be affected directly or indirectly. Affected people may experience short-term or long-term consequences to their lives, livelihoods or health and in the economic, physical, social, cultural and environmental assets. In InaSAFE, people who are killed during the event are also considered affected.
- **Displaced people:** Displaced people are people who, for different reasons and circumstances because of risk or disaster, have to leave their place of residence. In InaSAFE, demographic and minimum needs reports are based on displaced / evacuated people.

Minimum needs

Relief items to be provided once (uma vez)	Total
Toilets (latrinas/casas de banho)	10,800
Relief items to be provided monthly	Total
Detergent (detergente) [g]	42,980,000
Relief items to be provided daily (diariamente)	Total
Trash bags (saco de lixo) [100 litre bag]	2,200
Relief items to be provided monthly (mensalmente)	Total
Soap (sabao) [g]	75,215,000

Relief items to be provided daily	Total
Xima, sadza [g]	53,725,000
Relief items to be provided daily (por dia)	Total
Drinking water (agua para beber) [l]	323,000
Relief items to be provided weekly	Total
Relief items to be provided once	Total
Water collecting container [10-20 litre]	43,000
Saucepan (panela)	43,000
Plate (prato)	215,000
Mattress (colchao)	215,000
Insecticide bed nets (rede mosquiteira)	215,000
Covered floor area (3.5mx3.5m)	753,000
Infants blanket (100x70cm) - (cobertores)	43,000

Estimated number of people displaced by age per aggregation area

Age ratio is not found. No calculations produced.

Estimated number of people displaced by gender per aggregation area

Gender ratio is not found. No calculations produced.

Estimated number of people displaced by age vulnerability per aggregation area

Vulnerability ratio is not found. No calculations produced.

Estimated number of people displaced by gender vulnerability per aggregation area

Vulnerability ratio is not found. No calculations produced.

Estimated number of people displaced by disability vulnerability per aggregation area

Vulnerability ratio is not found. No calculations produced.

Estimated number of minimum needs per week

Aggregation Area	Total displaced population	Xima, sadza [g]	Drinking water (agua para beber) [l]	Soap (sabao) [g]	Detergent (detergente) [g]	Toilets (latrinas/casas de banho)	Minimum needs brea	
							Trash bags (saco de lixo) [100 litre bag]	Water collecting container [10-20 litre]
Macuze	5,300	1,322,000	8,000	1,851,000	1,058,000	270	60	1,100
Campo	19,400	4,840,000	29,100	6,775,000	3,872,000	970	200	3,900

Mopeia	26,700	6,669,000	40,100	9,336,000	5,335,000	1,400	270	5,400
Gile	890	223,000	1,400	311,000	178,000	50	10	180
Namarroi	530	132,000	800	185,000	106,000	30	10	110
Maquival	4,400	1,091,000	6,600	1,528,000	873,000	220	50	880
Milange	720	180,000	1,100	251,000	144,000	40	10	150
Cidade_de_quelimane	190	47,100	290	65,900	37,700	10	10	40
Muabanama	310	77,300	470	109,000	61,900	20	10	70
Ile	570	143,000	860	200,000	115,000	30	10	120
Inhassunge	10	1,700	10	2,300	1,400	0	0	10
Inhassunge	2,000	486,000	3,000	680,000	389,000	100	20	390
Inhassunge	80	19,900	120	27,800	15,900	10	0	20
Lugela	210	52,400	320	73,400	41,900	10	10	50
Mulevala	730	183,000	1,100	256,000	146,000	40	10	150
Gonhane	10	430	10	600	340	0	0	0
Majaua	320	78,900	480	111,000	63,100	20	10	70
Naburi	1,200	289,000	1,800	404,000	231,000	60	20	230
Micaune	25,400	6,329,000	38,000	8,861,000	5,064,000	1,300	260	5,100
Tacuane	400	99,600	600	140,000	79,700	20	10	80
Luabo	15,400	3,843,000	23,100	5,379,000	3,074,000	770	160	3,100
Munhamade	700	175,000	1,100	245,000	140,000	40	10	140
Mongue	10	870	10	1,300	700	0	0	0
Mugeba	420	105,000	630	146,000	83,400	20	10	90
Mualama	2,600	637,000	3,900	892,000	510,000	130	30	510
Chinde	12,200	3,027,000	18,200	4,238,000	2,422,000	610	130	2,500
Chire	27,600	6,878,000	41,300	9,629,000	5,503,000	1,400	280	5,600
Lioma	310	77,700	470	109,000	62,200	20	10	70
Namanjavira	470	116,000	700	163,000	92,600	30	10	100
Nauela	320	79,700	480	112,000	63,800	20	10	70
Pebane	470	118,000	710	165,000	94,100	30	10	100
Alto Ligonha	1,100	259,000	1,600	363,000	207,000	60	10	210
Gurue	120	28,400	170	39,800	22,700	10	10	30
Mocubela	670	167,000	1,000	234,000	134,000	40	10	140

Mepuagia	380	94,200	570	132,000	75,300	20	10	80
Derre	1,100	254,000	1,600	356,000	203,000	50	10	210
Alto_molocue	4,100	1,021,000	6,200	1,429,000	817,000	210	40	820
Socone	490	121,000	730	170,000	96,600	30	10	100
Mocuba	1,300	314,000	1,900	440,000	251,000	70	20	250
Morrumbala	20	4,500	30	6,200	3,600	0	0	10
Molumbo	1,600	390,000	2,400	546,000	312,000	80	20	320
Maganja	9,000	2,249,000	13,500	3,148,000	1,799,000	450	90	1,800
Nante	3,700	914,000	5,500	1,280,000	731,000	190	40	730
Bajone	250	62,300	380	87,200	49,800	20	10	50
Megaza	7,700	1,905,000	11,500	2,666,000	1,524,000	380	80	1,600
Regone	470	116,000	700	162,000	92,600	30	10	100
Nicoadala	21,200	5,283,000	31,700	7,397,000	4,227,000	1,100	220	4,300
Namacurra	13,000	3,237,000	19,500	4,532,000	2,590,000	650	130	2,600
Total	215,000	53,725,000	323,000	75,215,000	42,980,000	10,800	2,200	43,000

Notes and assumptions

Analysis notes

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

Population exposure general notes

- The impacts on roads, people, buildings and other exposure elements may be underestimated if the exposure data are incomplete.
- Exposed population varies by the time (day or night, weekends, holidays etc.). Such variations are not included in the analysis.
- 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 1,000 if more than 100,000.
- Rounding is applied to all population values, 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.
- If displacement counts are 0, no minimum needs and displaced related postprocessors will be shown.

Flood 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: High, Medium

Displacement rates notes

- For this analysis, the following displacement rates were used: High - 100%, Medium - 20%, Low - 0%

Analysis details

Hazard source Flood - 50 year return period - source not available -

Exposure source MOZ population count map for 2015 (v4) - World Population -

Aggregation source Aggregation by Post - Zambezia Province - CENACARTA -

Impact Function Flood Raster On Population Raster