

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	18,700
Medium	8,800
Low	11,000
Total Exposed	38,300

Population	Count
Affected	27,400
Not Affected	11,000
Not Exposed	162,000
Displaced	20,400

- **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)	1,100
Relief items to be provided monthly	Total
Detergent (detergente) [g]	4,074,000
Relief items to be provided daily (diariamente)	Total
Trash bags (saco de lixo) [100 litre bag]	210
Relief items to be provided monthly (mensalmente)	Total
Soap (sabao) [g]	7,129,000

Relief items to be provided daily	Total
Xima, sadza [g]	5,092,000
Relief items to be provided daily (por dia)	Total
Drinking water (agua para beber) [l]	30,600
Relief items to be provided weekly	Total
Relief items to be provided once	Total
Water collecting container [10-20 litre]	4,100
Saucepan (panela)	4,100
Plate (prato)	20,400
Mattress (colchao)	20,400
Insecticide bed nets (rede mosquiteira)	20,400
Covered floor area (3.5mx3.5m)	71,300
Infants blanket (100x70cm) - (cobertores)	4,100

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

Minimum needs breakdown

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)	Trash bags (saco de lixo) [100 litre bag]	Water collecting container [10-20 litre]	Saucepan (panela)
Nicoadala	20,400	5,092,000	30,600	7,129,000	4,074,000	1,100	210	4,100	4,100
Total	20,400	5,092,000	30,600	7,129,000	4,074,000	1,100	210	4,100	4,100

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 Worldpop - World Pop -

Aggregation source Aggregation by Post - Zambezia Province - CENACARTA -

Impact Function Flood Raster On Population Raster