

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
Wet	13,100
Dry	0
Total Exposed	13,100

Population	Count
Affected	13,100
Not Affected	0
Not Exposed	27,865,000
Displaced	130

- **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.

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.

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: Wet

Displacement rates notes

- For this analysis, the following displacement rates were used: Wet - 1%, Dry - 0%

Analysis details

Hazard source S1 Flood Extent Sofala Province 2019-03-20 - UNITAR -

Exposure source Facebook Population - Facebook Population -

Aggregation source Aggregation by Post - National - CENACARTA -

Impact Function Flood Polygon On Population Raster