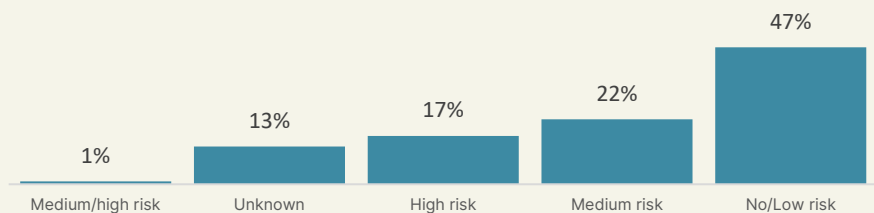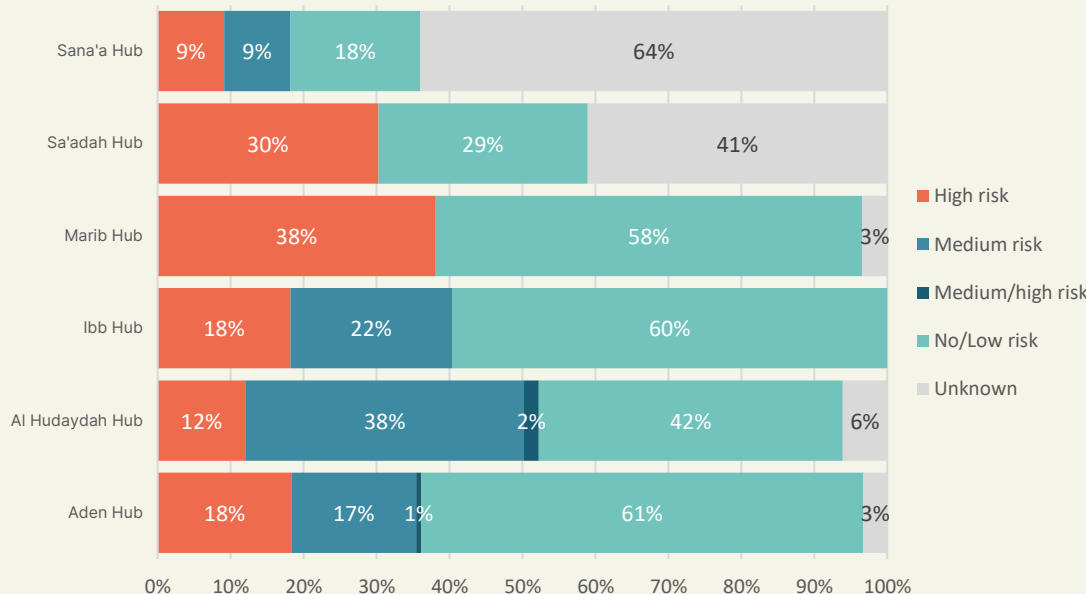**March 2022** The CCCM cluster with the help of REACH, had prepared a flooding risk analysis for the IDPs sites in Yemen using (2D HEC-RAS Depth and hazard) analysis Modelling. The sampling **2,423.** this allowed the cluster to have an insight of the areas where the flooding season would be more, and partners provided data for several preparedness needs where applicable

**May 2022** Through that flooding risk analysis, the CCCM cluster collected the required flooding preparedness activities in the high risked areas to and support needed.

## FLOODING RISK SCORING FOR SITES PER HUB

| Hub | High risk | Medium risk | Medium/high risk | No/Low risk | Unknown |
|---|---|---|---|---|---|
| Sana'a Hub | 9% | 9% | | 18% | 64% |
| Sa'adah Hub | 30% | | | 29% | 41% |
| Marib Hub | 38% | | | 58% | 3% |
| Ibb Hub | 18% | 22% | | 60% | |
| Al Hudaydah Hub | 12% | 38% | 2% | 42% | 6% |
| Aden Hub | 18% | 17% | 1% | 61% | 3% |

Legend: High risk, Medium risk, Medium/high risk, No/Low risk, Unknown

## FLOODING RISK SCORING FOR SITES

| Category | Value |
|---|---|
| Medium/high risk | 1% |
| Unknown | 13% |
| High risk | 17% |
| Medium risk | 22% |
| No/Low risk | 47% |

# CCCM Soft flood preparedness interventions

**Preparing Multi-sectoral Site-level flood preparedness & response Plan, including 3Ws and response matrix**

| | |
|---|---|
| High need | 41% |
| Alrady implemented | 29% |
| No Need | 17% |
| planed | 13% |
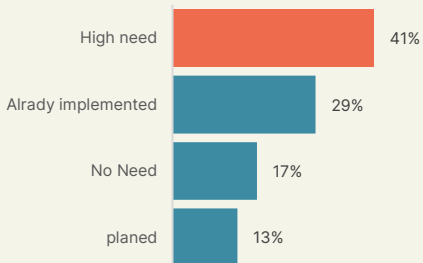
**Establishment of flood committee for the site, and encouraging community small-scale measures**

| | |
|---|---|
| High need | 38% |
| No Need | 31% |
| planed | 16% |
| Alrady implemented | 16% |
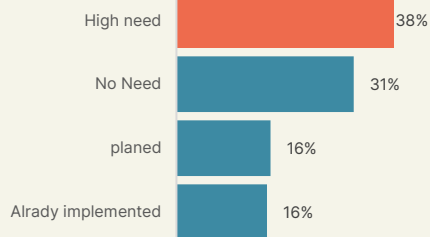
**Evacuation plan**

(identification of evacuation assembly point and route, storage space to keep IDPs belongings including food and non-food items, assigning evacuation wardens from the community...)

| | |
|---|---|
| No Need | 74% |
| planed | 14% |
| High need | 11% |
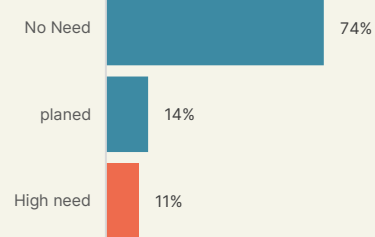
**Undertaking flood safety awareness campaigns for the IDPs**

including local authorities (capacity building) and CCCM staff (posters, training, information tool kits)

| | |
|---|---|
| Alrady implemented | 59% |
| High need | 31% |
| planed | 7% |
| No Need | 4% |
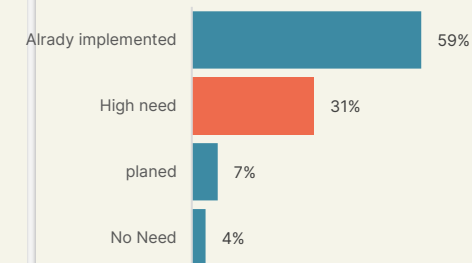
# CCCM Physical Flood preparedness interventions

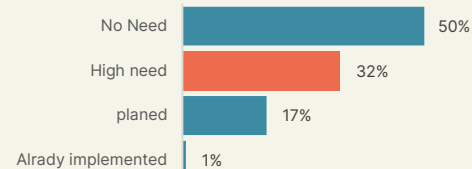**Allocation of funds for CCCM site maintenance projects to address urgent infrastructural and sectoral gaps resulting from floods**

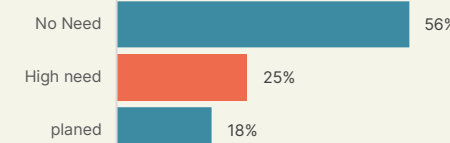| | |
|---|---|
| High need | 50% |
| No Need | 30% |
| planed | 17% |
| Alrady implemented | 3% |
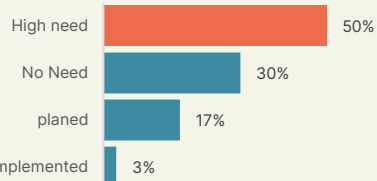
**Access: Levelling, drainage, backfill of pits and swamps at close proximity, and repair of access road to ensure access to site in case of flooding (outside/around the site)**

| | |
|---|---|
| High need | 41% |
| No Need | 39% |
| planed | 19% |
| Alrady implemented | 1% |
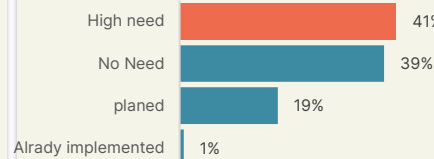
**Construction of flood protection walls / gabion barriers**

| | |
|---|---|
| No Need | 50% |
| High need | 32% |
| planed | 17% |
| Alrady implemented | 1% |

**Adequate number of Sand bags available for the site**

| | |
|---|---|
| No Need | 56% |
| High need | 25% |
| planed | 18% |

**Establishing/rehabilitating evacuation sites in coordination with local authorities**

| | |
|---|---|
| No Need | 72% |
| planed | 21% |
| High need | 5% |
| Alrady implemented | 2% |
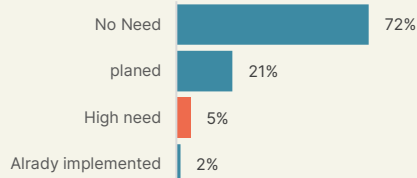
**Rehabilitation of unprotected water sources and points (gabion walls around water source and so on)**

| | |
|---|---|
| No Need | 59% |
| planed | 20% |
| High need | 18% |
| Alrady implemented | 3% |
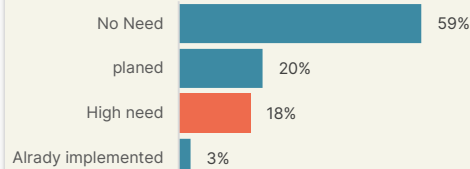
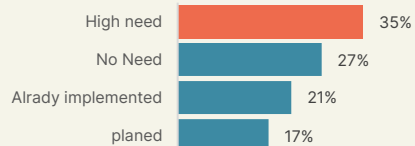**Ensure that CCCM partner in charge of site has a functional water pump available for the sites covered to pump the flood water away from the site**

| | |
|---|---|
| No Need | 65% |
| High need | 35% |

**Drainage upkeep: Levelling, road ditches, channels around the tents, soil embankment on flood path, dislugging of drainage systems, maintenance of sewage networks, including backfill pits and swamps inside and at closed proximity**

| | |
|---|---|
| No Need | 40% |
| High need | 39% |
| planed | 20% |
| Alrady implemented | 1% |
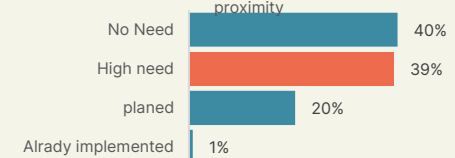
**Assessment of potential flood risks**

| | |
|---|---|
| High need | 35% |
| No Need | 27% |
| Alrady implemented | 21% |
| planed | 17% |

**Identification, relocation and levelling of shelters and site facilities at high risk of flooding**

| | |
|---|---|
| No Need | 64% |
| planed | 21% |
| High need | 13% |
| Alrady implemented | 2% |
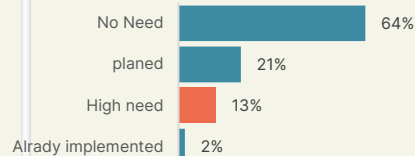
**Establishing site/area-level community alert systems and effective methods of communication, information dissemination, and clear feedback channels (related to flood and risk mitigation)**

| | |
|---|---|
| No Need | 48% |
| High need | 29% |
| planed | 21% |
| Alrady implemented | 2% |
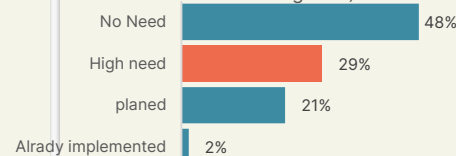
**Ensure contingency response stocks (NFIs, tool kits, tarpaulin, etc.) are available for flood response in the area-based coordination**

| | |
|---|---|
| High need | 83% |
| No Need | 17% |
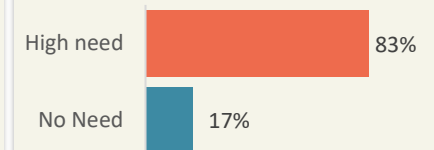
**Site cleaning campaigns prior to flood season, and improving/maintenance of solid waste management (including waste bins)**

| | |
|---|---|
| High need | 50% |
| No Need | 29% |
| planed | 21% |