

SITUATION REPORT ON CYCLONE IDAI ISSUE 007

Disaster Name	Cyclone Idai	Province affected	Manicaland, Chimanimani, Chipinge
Date & Time of report	02.04.2019	Response start date	16.03.2019
Prepared by	MOHCC		

1. HIGHLIGHTS

- To date a total of 3,290 patients have been managed in health institutions and temporary clinics that have managed to report.
- Hospitals offering services, six satellite clinics created (Skyline, Copa, Ndiadzwa, Beta, Ndimba and Vimba) and chronic patients being provided with medication.
- Five patients were air lifted on Monday 1 April from Mutsvangwa and Vhimba, 3 pregnant women (2 CPD & Para 4 Gravida 5 at 45 years) and fractured left tibia/fibula and dislocated right ankle
- Oral cholera vaccine (OCV) request completed and submitted
- Measles Rubella (MR) vaccine proposal for the age 6 months to under 15 still in progress
- Completion of a data collection tool for facilities with software (ODK) allowing facilities to send data across all health sectors electronically. Training of cadres is planned.
- Some health facilities were damaged and will require renovations ([Annex 1](#)). The estimated cost for repair and rehabilitation of the damaged facilities and infrastructure has been prepared ([Annex 2](#)). The total estimated cost is show in [Annex 3](#)
- Some of the cyclone affected areas are still not accessible by road and any casualties in those areas still need to be air lifted (See [Annex 4](#))

2. BACKGROUND

Zimbabwe experienced torrential rainfall caused by Cyclone Idai from the 15th of March 2019 to the 17th of March 2019. Tropical Cyclone Idai which was downgraded to a tropical depression on the 16th of March 2019 caused high winds and heavy precipitation in Chimanimani, Chipinge, Buhera, Nyanga, Makoni, Mutare Rural, Mutasa and parts of Mutare Urban districts among other districts, causing riverine and flash flooding and subsequent deaths, destruction of livelihoods and properties. Chimanimani district is the most affected with two main centres having received the brunt of the cyclone, Ngangu Township of Chimanimani which experienced landslides and Ngangu growth point which experienced flooding. The objective of this situation report is to provide daily updates on progress on the health situation in the affected areas. We will also provide information on key determinants of health challenges and gaps in service provision.

3. EPIDEMIOLOGICAL OVERVIEW

Malaria and diarrhoea cases are following the same trends compared to the 2 preceding years.

4. PUBLIC HEALTH ACTION/RESPONSE INTERVENTIONS

4.1 Coordination

- The Ministry of Health and Child Care is leading the health response to the effects of cyclone Idai with support from partners (UNICEF, WHO, MSF, UNFPA,...) with overall guidance by the Civil Protection Unit at all levels (Refer to [Annex 5](#) for a comprehensive list of partners).
- The Ministry of Health and Child Care has developed a response plan.

4.2 Surveillance and Epidemiology

- Community health workers are conducting disease surveillance, health education and promotion and referring patients to health facilities.
- Environmental health workers continue to conduct active case finding, Activities on surveillance currently being conducted.
- Number of children 0-59 months screened for malnutrition were 525
- At Ngorima 5 diarrhoeal diseases from temporary clinic; 2 were investigated. Specimens were not taken due to lack of specimen bottles and media. These have been dispatched.

4.3 Clinical Services

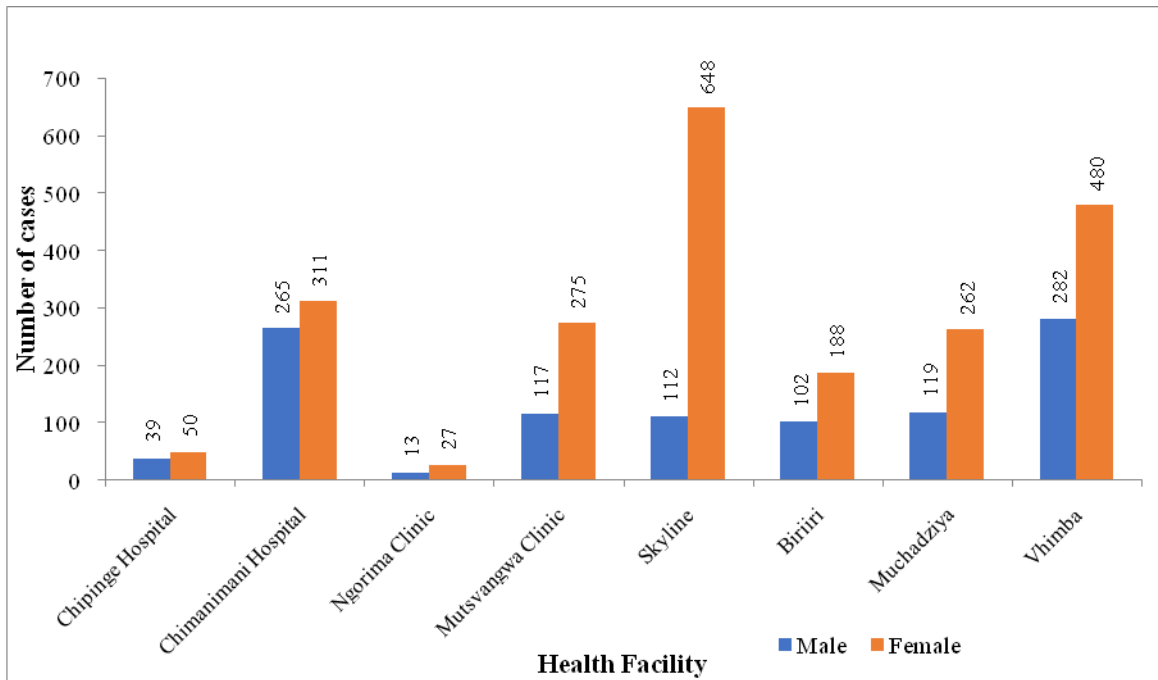
- Hospitals offering services, six satellite clinics created (Skyline, Copa, Ndiadzwa, Beta, Ndimba, Vimba) and chronic patients being provided with medication.
- Distribution for Zimbabwe Assisted Pull System (ZAPS) has been completed for all the health facilities that were not accessible by road.
- Total patients seen as at **1st of April 2019 are 3,290**. These were reported from 8 sites: Vimba, Chimanimani hospital and Chipinge hospital, Skyline satellite clinic, Ngorima, Muchadziya and Mutsvangwa. More information to be updated once available.
- Pregnant Women \geq 36 weeks of gestation identified for airlifting are 140 and 16 have been air lifted to Chipinge hospital from Chimanimani.
- MOHCC identified 4 health facilities along the Mutare-Masvingo Highway to serve as MWH for pregnant women identified as being at risk of developing obstetric complications. These are Chakohwa RHC, Gudyanga RHC, Nyanyadzi Rudal Health Hospital and Birchenough Bridge. These four health facilities were assessed and found that with minor support like bedding, food and fuel they could provide the needed basic obstetric care as well as refer those needing specialist care to CEmONC sites of Chipinge district hospital and Birchenough Bridge Hospital. UNFPA has disbursed funds to MOHCC towards capacitating the facilities to provide these services. UNFPA will also procure some medical equipment and consumables including delivery kits, rape kits, dignity kits among others. A checklist to identify pregnant mothers have been developed and has been used to identify pregnant women of 36 weeks and above and those at risk of developing obstetric complications. UNFPA has provided 800 family and 300 Mama kits in cyclone affected sites.
- UNFPA has released USD \$18-000,00 to support reproductive health activities
- MSF donated medicines for Muchadziya clinic. The MSF team also managed to attend to 2 patients and one of them had a cyclone associated chest infection (pneumonia) and the other one had a deep wound.
- Deliveries at Birchenough Bridge Hospital by women from Chimanimani and Chipinge Districts so far are 36
- Nurses from Mashonaland East and West have been called back to their Provinces and will leave by Thursday 4th April 2019 and be replaced by other cadres
- Delivery of LP gas for cold chain is still outstanding for facilities still unreachable by road. Twelve health facilities need the gas.

Table 1: Highlights on cases being seen at health facilities (as at 01.04.2019)

Health Facility	OPD attendance	Cumulative admitted	Cumulative patients treated	Cumulative deaths
1. Skyline*	0	0	760	0
2. Vimba*	99	0	762	0
3. Chimanimani hospital	52	576	576	0
4. Mutsvangwa	46	0	392	0
5. Muchadziya	57	0	381	0
6. Biriiri	22	0	290	0
7. Chipinge hospital	0	89	89	0
8. Ngorima	0	0	40	0
Total	276		3,290	0

Source: Health Facilities and Satellite Clinics

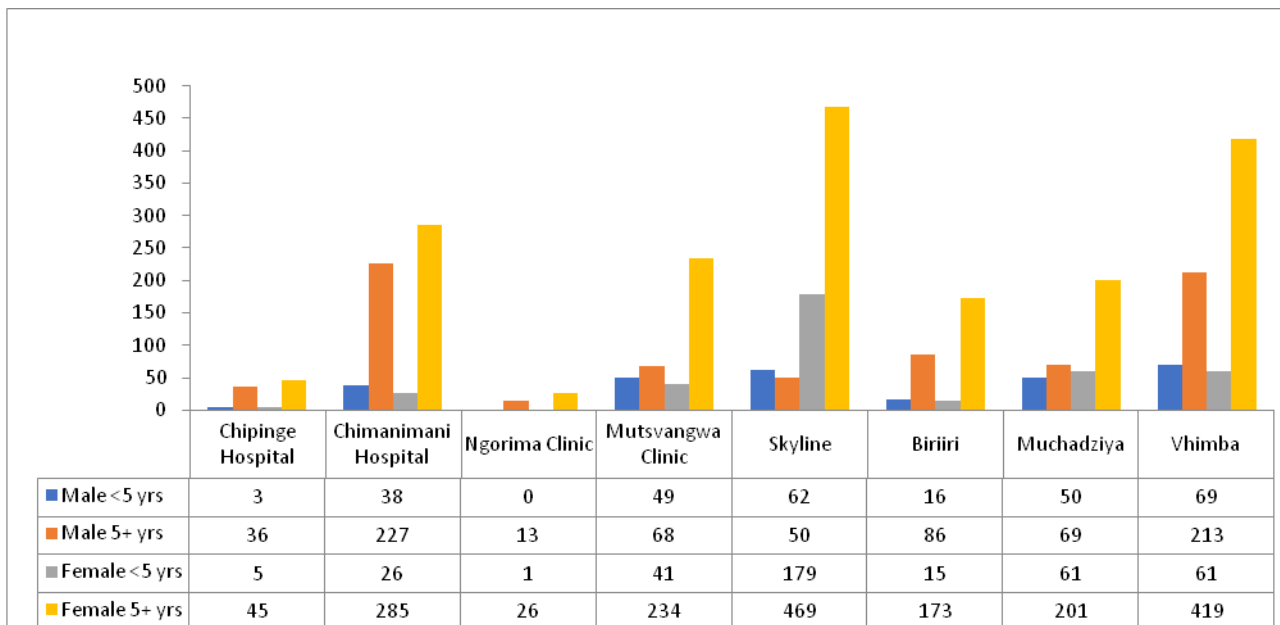
Figure 1: Distribution of clients by gender as at 1st April 2019



Source: Health Facilities and Satellite Clinics

* Cases for Chipinge Hospital are referrals from Chimanimani

Figure 2: Distribution of cases by gender as at 1st April 2019



Source: Health Facilities and Satellite Clinics

4.4 WASH (Prevention of epidemic prone disease/conditions)

- Water quality monitoring is being conducted. The cumulative number of water samples collected is 42 and cumulative number of unsatisfactory water samples is 2. Some bacteriological analysis results are still pending. The water from Musaida and Chikati grew coliforms but Chihota spring was satisfactory.
- Cumulative number of temporary toilets constructed were 32 double and 3 singles.
- Cumulative quantities of food inspected to date are 6,226.35 kgs (solids) and 2,962.60 litres (liquids)
- Twenty three Environmental Health Officers deployed to Chimanimani District.
- Inadequate food supplies for pregnant women in waiting mothers shelter.
- Water treatment chemicals are being distributed.
- Temporary toilets are being setup.
- NFI distribution is progressing with the following having been distributed to affected communities.

Table 2: NFI Distribution

	Toilet Sanitizers	Jerry cans	Buckets	Soap	Aqua tabs	Water Guard	Slates	Blankets	Hampers	IEC	Mosquito Nets
Cumulative NFIs Distributed	2	788	731	1,188	4,181	572	22	40	341	2,516	3,949

- A total of 572 water guards were distributed to 572 households and a total of 480 water purifiers were distributed to 480 households.
- A total of 10 mega phones were received from UNICEF and will be used for public addresses. Four of them were distributed to Chimanimani and 4 to Chipinge District.
- IEC material received were for diarrhea diseases, malaria, cholera and Nutrition and they were posters, fliers, pamphlets and fact sheets. Mercy Corps is going to support with additional IEC materials on diarrhoeal and nutrition key messages.
- Health and hygiene education (covering diarrhoeal diseases, malaria, STIs, HIV/AIDS and hygiene) was being provided during the NFI distributions.
- Net hanging campaigns were conducted and 10 female VHWs, 5 female care givers and 68 community members were reached (54 females and 14 males).
- The Health Promotion department trained 37 Village Health workers and volunteers in Nyahode, Charter and Ngorima. These were trained on key messages on epidemic prone disease, measles rubella, cholera, and adolescent sexual reproductive health (ARSH). They were also trained to educate communities on how to use aqua tabs during the door to door campaigns.
- 24 key informant interviews were conducted in Nyahode.
- Currently, 3,949 nets have been distributed to the affected communities. 1,132 LLINs (mosquito nets) distributed to 426 households in Chimanimani
- Health assessments were conducted in Kodzevhu in ward 22, Chimanimani and 160 households were reached. The community is getting water from unprotected springs and its piping system was washed away by cyclone Idai. The community had 153 toilets and 12 of them collapsed.
- Four communal and 9 individual refuse pits dug for waste management
- Exhumation of a body done in Musareketa village (Ndima ward 23) by soldiers and MoHCC provided chloride of lime, 2 pairs of gumboots.
- In Chipinge 141 boreholes were damaged, 125 springs damaged and 3 weir dams silted and school pump washed away
- IRC provided 50 PPE/C comprising of gumboots, heavy duty gloves, N 95 respirators and overalls

4.5 Vaccination

- Chimanimani and Chipinge have started mobilizing activities for the measles rubella and oral cholera vaccine campaigns. Village health workers and volunteers have already started mobilizing for the coming campaigns. Cholera alert and vaccination messages has so far been disseminated to the communities and this was triggered by the confirmed cholera outbreak in Beira, Mozambique.

4.6 Social mobilization

- Social mobilization activities are being conducted in the affected areas. A total of 34 school health coordinators have been capacitated to provide psychosocial support and ARSH education to students before the schools close for holidays.
- Health education has been offered in Ngandu, Zaaipats and 373 male and 552 female participants were reached with 'food hygiene, water quality and waste management messages on the 1st of April 2019. A cumulative total of 2,272 people has been reached with health education messages.
- Care givers of 0-23 months reached with key IYCF messages are 394
- Total number of people in feeding camps are 1725 with 174 pregnant and lactating women identified
- IEC materials being distributed.

4.7 Logistics

- \$464.00 (RTGS) worth of data bundles to be used during the Data Collection training in Chimanimani.
- Twelve cylinders were transported by Miracle Missions and distributed to Chikukwa, Nedziwa, Shinja, Rusitu, Ngorima and Mutsvangwa.
- Two temporary stores for medicines have been setup.
- Status of medical commodities received is being compiled.
- Referral patients in hard to reach areas are being airlifted to designated referral centers
- Distribution of commodities through ZAPS has been completed for all the health facilities that were not accessible by road.
- Five more Satellite Clinics to be setup at Hangana, Charlsewood, Mhakwe, Ndieme and Ndima.
- Nutrient formulae and other medicines were affected by rains in Muchadziya.

5. GAPS

- Incomplete and untimely data from health facilities attributed to communication challenges
- Poor general hygiene at temporary shelter points
- Chipinge in need of 5 motor cycles to support distribution of LLINs
- Medicines (IV antibiotics, Anti Hypertensives, Anti Diabetic agents)

6. RECOMMENDATIONS & PRIORITY FOLLOW UP ACTIONS

- Resource mobilization to meet the identified gaps
- Health information gaps to be filled up by ensuring that all teams visiting sites bring with them data that has not reached the province
- Engage telecommunication companies to support with communications infrastructure
- Enhance surveillance activities
- Vaccination campaigns are being planned for Measles and Cholera
- Psycho-social support for health workers in Chimanimani basic provisions for staff in the affected areas

ANNEX

Annex 1: Cyclone Idai Damaged Facilities

District	Name of facility	Damaged Area	Accessibility
Chipinge	Kopera	Water Pump washed away together with concrete slab	
	Paidamoyo	Kitchen for waiting mother's shelter was destroyed	
	Gumira	Part of roof blown away	
	Ngaone	Part of roof blown away	
	Nyunga	Extent of damage to be established	
Chimanimani	Muchadziya	1 staff house roof blown off, 2 rooms (EPI, Male ward) blown off and health records destroyed	Inaccessible by road
	Mutsvangwa	1 staff house roof blown (3 rooms) staff toilet destroyed	Accessible only by foot and air
	Nyahode	Water source damaged at clinic and staff fetching water from a borehole 2 km away.	Inaccessible by road
	Biriiri	Water source damaged Staff houses leaking	
	Rusitu	<ul style="list-style-type: none"> Water supply system damaged Sister-In-Charge office, dining hall and kitchen roof- ridges were blown off. 	
	Ngorima	Water source washed away	
	Nyahode	<ul style="list-style-type: none"> Three deep wells were supply destroyed 8 BVIPs collapsed in population serviced by Nyahode Clinic Roof of Waiting mother's shelter blown away No electricity power supply 	

Annex 2: Estimated cost of damage to infrastructure

Clinic/Hospital Name	Description of Material	Unit	Unit Price	Quantity	TOTAL (RTGs \$)
Muchadziya Clinic	3.6m asbestos roofing sheets	sheets	56.66	4	226.64
	2.1m asbestos roofing sheets	sheets	36.74	6	220.44
	1.8m asbestos roofing sheets	sheets	31	111	3,441.00
	1.5m asbestos roofing sheets	sheets	26.24	78	2,046.72
	1.2m asbestos roofing sheets	sheets	20.99	5	104.95
	adjustable close fitting asbestos ridges	pairs	31	46	1,426.00
	asbestos roofing screws c/w washers	kgs	33	25	825.00
	Biriwiri Hospital	2.4m asbestos roofing sheets	sheets	41	208
8 STAFF HOUSES	2.1m asbestos roofing sheets	sheets	36.74	208	7,641.92
	adjustable close fitting asbestos ridges	pairs	31	104	3,224.00
	asbestos roofing screws c/w washers	kgs	33	64	2,112.00
Chipinge					
Ngaone Clinic	3.6m endurites ac sheets	Sheets	8	72	576.00
	Endurites ac ridges	Pairs	2	72	144.00
	900 x 2440 x 6000mm bison boards	sheets	10	75	750.00
Kopera Clinic	2.7 endurites ac sheets	sheets	3	75	225.00
	3.6m endurites ac sheets	sheets	2	75	\$150.00



Clinic/Hospital Name	Description of Material	Unit	Unit Price	Quantity	TOTAL (RTGs \$)
	Window pane (no size)	No	6	10	48.00
	Glazing putty	Kg	8	6	48.00
	76x50x6000 purling	Len	4	45	180.00
Paidamoyo Clinic	3.6m corrugated iron sheets	sheets	30	75	2250.00
	100mm diameter round treated x 4m	Len	30	60	180.00
	50mm diameter treated round poles x 2,4m	len	60	50	3000.00
	100mm wire nails	kg	5	15	75.00
	Spiral nails	kg	4	15	60.00
	Pc 15 cement	bags	2	45	90.00
	Battern door 20mm x 810 x 20130mm	no	1	100	100.00
Gumira Clinic	3.6 endurites ac sheets	sheets	64	75	4800.00
	76 mm x 50mm x 6000mm purling	len	24	45	1080.00
	114x38x6000 r/s timber	len	6	45	270.00
	Ac roofing screws c/w washers	kg	5	25	125.00
	Pc 15 cement	bag	4	45	180.00
	465mm x 285 mm x3mm clear glass	no	8	10	80.00
	Glazing putty	kg	4	6	24.00
Nyunga Clinic	Pc 15 cement	Bag	20	45	900
	Air vents	Pairs	19	150	28.50
	Double claded door 40mm x 810mm x2030mm	No	5	200	1000.00
	485mm x 265mm x 3mm clear glass	No	8	10	80.00
	Glazing putty	kg	4	600	24.00

Annex 3: Costed Health Response Plan

Broad Area	Resources Required	Available	Gap	Comments
Coordination	33,230.00	-	33,230.00	
Health Information	2,300.00	-	2,300.00	
Temporary clinics	54,980.00	-	54,980.00	
EPI- vaccinations (measles, OCV	2,280,750.00	1,850,000.00	430,750.00	Vaccine doses available
Capacity building	32,700.00	-	32,700.00	
Referral system	75,000.00	65,000.00	10,000.00	Funds available for pregnant mother referral systems
Medicines and commodities	1,336,238.88	-	1,336,238.88	
Malaria prevention and Control	357,480.00	-	357,480.00	
Infection Prevention and Control	6,000.00	-	6,000.00	
Health Promotion	12,610.00	-	2,610.00	
Total	4,191,288.88	1,915,000.00	2,276,288.88	

The total amount of budget is \$4,191,288.88 of which \$2,276,288.88. NB The costing was done using USD\$.

Annex 4: Communication and Accessibility of the affected districts

NAME	TELEPHONE/ RADIO	Alternative communication	Accessibility	Comment
Chimanimani Hosp	No	Personal Phones	Road	Long route 4 WD
Biriwiri Hosp	No Tel	Personal Phones	Air	
Nyanyadzi Hosp	Tel		Road	
Mutambara Hosp	Tel		Air	
Rusitu Hosp	Tel		Air	Long route 4 WD
Changazi RHC	No	Personal Phones	Road	
Chikukwa RHC	No	Personal Phones	Air	
Muchadziya RHC	No	Personal Phones	Air	
Bumba RHC	No	Personal Phones	Air	
Chayamiti RCH	No	Personal Phones	Air	
Chakohwa Clinic	No	Personal Phones	Road	
Chikwakwa Clinic	No	Personal Phones	Air	
Gudyanga Clinic	No	Personal Phones	Road	
Mutsvangwa Clinic	No	Personal Phones	Air	
Shinja Clinic	No	Personal Phones	Air	
Ngorima Clinic	No	Personal Phones	Air	
Roscommon Clinic	No	Personal Phones	Air	
Tilbury Clinic	Tel		Air	
ArdaRusitu Clinic	No rad/no Tel	Personal Phones	Air	Long route 4 WD
Charter Clinic	No	Personal Phones	Air	Long route 4 WD
Nyabamba Clinic	No	Personal Phones	Air	Long route 4 WD
Nyahode Clinic	Tel		Air	Long route 4 WD
Nhedziwa Clinic	No	Personal Phones	Air	

Annex 5: Cyclone Idai Response Partners

AGENCY/Department	
WHO	Coordination, Capacity building, Medical Logistics, Surveillance and Information Management,
WFP	Coordinating food sector, air lifting of commodities
UNICEF	WASH, Essential medical supplies, nutrition response, capacity building (community), Logistical
UNFPA	Maternal and dignity kits- RH
MSF	Medicines and commodities, staff, out reaches, tents
IRC (International Rescue Committee)	WASH
Red Cross	Medical response
Operation Orphan	Psychosocial support in Chimanimani- 5 doctors
Plan International	WASH & food - implementation in selected wards, distribution of LLINs (mosquito nets)
GOAL	WASH -implementation in selected wards
CARE International	FOOD implementing partner
MERCY CORPS	UNICEF-Nutrition and WASH implementing partner
INTERNATIONAL MEDICAL CORPS	Donated hygiene kits operating in Bulawayo
Miracle Missions	Pediatrics and general medical support, air lifting
World Vision	FOOD implementing partner
OCHA	Cyclone IDAI emergency support. Partners Coordination and responsibility Matrix
NATPHARM	Distribution of supplies
PSMI	Ambulances (air and road), medicines and supplies, staff
ACE ambulances	Air lifting patients
Military (ZNA, Air force, ZPCS, ZRP)	Air lifting of patients, staff, logistics
Welthungerhilfe	WASH
Oxfam	WASH
ZINWA, RDC, DDF	WASH
ZiMA (National & Manicaland)	Staff