

Outbreak Situation Report 23 August 2009

This report has been prepared by the health cluster based on information collected from the MoHP, partners on the ground as well as district officials.

Situation

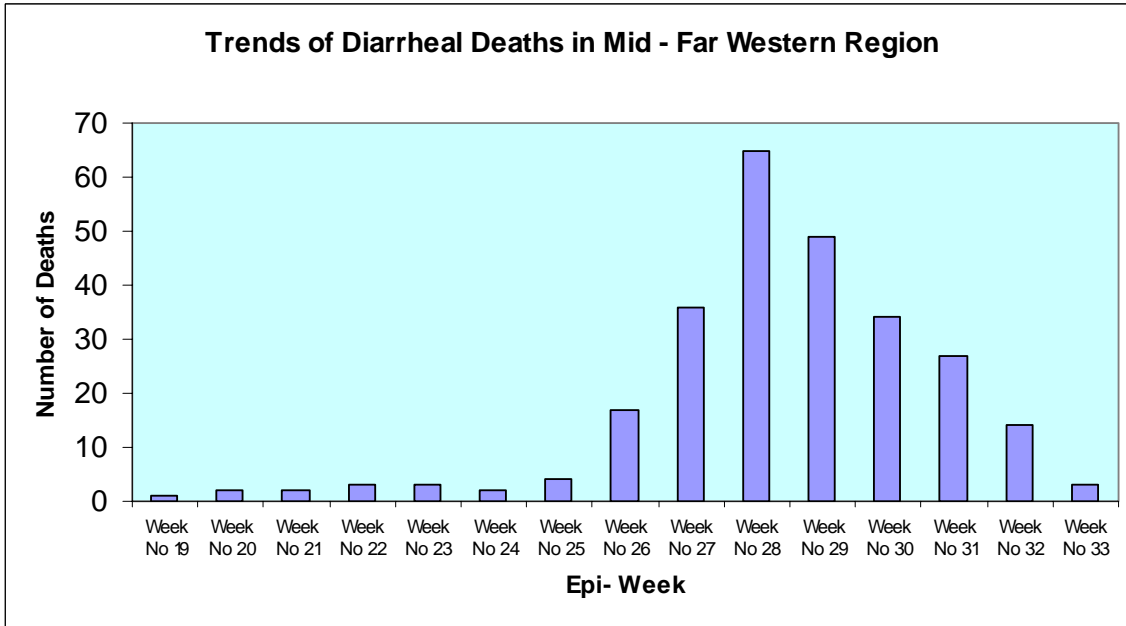
- As of 23rd August 2009, the cumulative number of treated and deaths since 1st May 2009 can be summarized as follows:

District	Affected VDC	No. of Health Camp	No. of People Treated	Death No.
Jajarkot	30	51	25476	153
Rukum	23	23	12705	48
Dolpa	7	7	501	7
Rolpa	9	6	664	6
Salyan	4	2	526	6
Dailekh	32	18	6842	25
Bajura	4	4	122	6
Dadeldhura	3	2	153	5
Doti	20	6	1344	10
Surkhet	17	9	4492	14
Kanchanpur	3	1	288	1
Pyuthan	3	2	250	2
Makwanpur	1	1	137	0
Dang	1	1	61	0
Achham	22	8	5396	21
Bajhang	2	1	757	7
Baitadi	16	2	443	8
Dhading	1	0	103	0
Kailali	8	3	89	4
Sarlahi	1	1	40	2
Total	206	148	58874	314

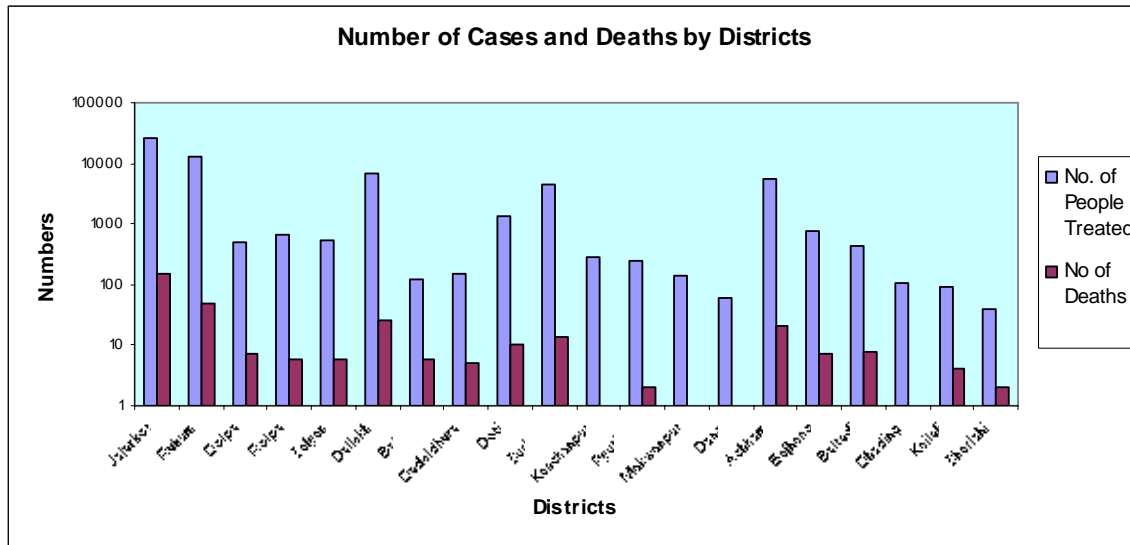
- Based on the epidemiological evidences, diarrheal outbreak has affected Jajarkot, Rukum, Dailekh, Surkhet, Achham and Bajhang. Close monitoring of other districts are on going by the EDCD, RHDs and DHOs.
- Based on the findings of laboratory results on Antimicrobiological sensitivity test, the treatment protocol has been updated, shared with the EDCD and sent to the affected districts.
- Samples are being tested in National Public Health Laboratory and 36% of total samples have shown the growth of *Vibrio Cholerae* 01 *Tor Ogawa* and remaining have shown the *Enterotoxigenic E Coli (LT and ST)* and *Aeromonas species*. The samples received from other districts like Dadeldhura, Dailekh and Dang have also shown the growth of these organisms.

- NPHL is carrying out the testing of PCR and co-infection of these organisms with the support of WARUN. The results of these testing will be provided once they are available.

Total cumulative cases of diarrheal deaths in Mid – Far Western Region

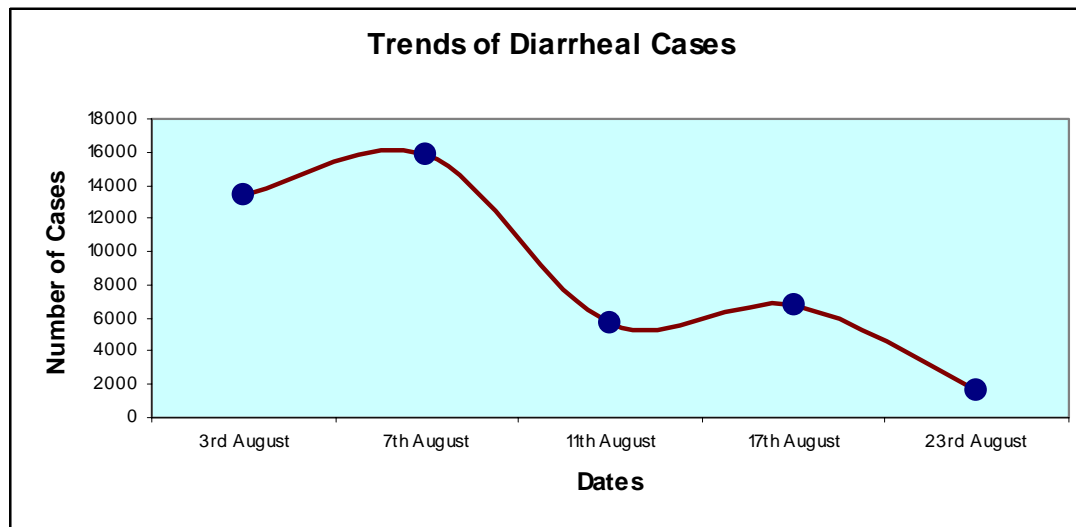


Number of Cases and Deaths by Districts as of 23rd August



Note: The numbers of cases and deaths in y axis is in logarithmic scale

Trends of Diarrheal Cases in Mid and Far Western Region of Nepal (as of 23rd August)



Response

Coordination

- A health cluster meeting was held on 14 August in Kathmandu. At the meeting the participants stressed the need for better coordination among the different stakeholders, especially among the different ministries involved. There was also discussion on the pressing need to better support the government of Nepal to be better prepared for future outbreaks.
- A WASH Cluster meeting was held on 21 August in Kathmandu. In the meeting, a consultant who has been hired by UNICEF and Oxfam presented on her findings of the water quality testing in select VDCs of Jajarkot district. The preliminary results showed that all water sources have been contaminated, and there is a need to further strengthen the sanitation and hygiene practices in the affected areas.

Health

- A team from NFHP recently visited Jajarkot to conduct an assessment of the diarrhea outbreak in the district. The findings compounded the earlier findings of the need to further strengthen the water, sanitation and hygiene conditions in the district. NFHP also strongly suggests involving schools to promote hygiene and sanitation awareness among the local population.
- Designated high officials to RHD- MWDR, Jajarkot and Rukum have been replaced by new set of high officials from MoHP.

Surveillance

- EDCD, MoHP, all District Health Offices and Regional Health Directorates are on high alert to enhance the surveillance activities in order to recognize any unusual events related to diarrheal diseases.
- WHO's outbreak and surveillance officer is closely working and providing the technical support to Regional Health Directorate and closely monitoring the situation.

- Samples/specimens are being tested in NPHL from other districts and at the same time samples are being collected to monitor the anti-microbial resistance.

Logistics and Supplies

- WHO is planning to provide training to logistics management officers in Nepal to better manage emergency stocks located at different regions of Nepal. The training will also introduce a system for emergency stock management, with the aim of rolling it out to the whole country.

Response per District (Efforts continue in various districts to respond to the outbreak. Please refer to previous sitreps for an overall picture of the response per district.

- In Jajarkot, Rukum and Kalikot districts, ADRA Nepal is continuing to mobilize its mobile health camps to provide support in the remote VDCs.
- In Jajarkot district, the NRCS chapter has mobilized 18 volunteers for the house-hold level awareness through IEC materials and distributing on-spot ORH and water treatment tablets. The team is also helping the affected families by providing evacuation service for further medical treatment.
- In Jajarkot district, NFHP II provided support in volunteer mobilization, volunteer motivations and producing IEC materials.
- In Jajarkot district, CARE Nepal has mobilized 2 health camps to provide curative services to the affected population. CARE Nepal highlighted the need to increase awareness among the affected population in WASH as well as in health care seeking behaviour.
- In Baidtadi and Rukum districts, NRCS chapter continues to mobilize more than 30 volunteers each for awareness raising actions.
- In Pyuthan district, the NRCS chapter is conducting orientation programme to its volunteers to be deployed to the affected volunteers for the awareness campaign. NRCS chapter has mobilized 98 volunteers.
- In Dailekh district, the NRCS chapter has mobilized seven volunteers to the 23 affected VDC. NRCS chapter has been managing three health camps together with Nepal Army.
- In Dang district, the NRCS chapter has conducted emergency health and hygiene orientation to its volunteers and mobilized for awareness in the affected areas.

WASH

- In Rukum district, the NRCS chapter is organizing a street drama for awareness raising.
- In Surkhet district, the NRCS chapter has distributed 1000 water purification liquid and 3000 ORS. The chapter has mobilized 20 volunteers for the assessment and awareness actions, while planning to mobilize additional 100 volunteers.
- In Salyan district, the NRCS chapter has mobilized 94 volunteers for awareness raising (IEC distribution, message flow and how to use PYUSH)- two people in each VDC. The chapter is planning to distribute water treatment liquids. The NRCS chapter has also assisted VDC to establish the working committee in the four most affected VDC, leaded by the VDC secretary
- In Kanchanpur district, the NRCS chapter has mobilized its 20 trained volunteers and staff to create awareness in Chadani and Dodhara VDC and Bhimdatta Municipality.

Challenges & Gaps

- The main challenge remains logistics with the weather and other factors making it difficult to access the affected areas.
- It is difficult to monitor the distribution and use of the aid supplies, again due to difficulties in reaching and getting information. The monitoring system must be enhanced to deal with such difficulties.

For Further Information

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WASH

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The information can also be found on the following websites:

http://www.searo.who.int/en/Section1257/Section2263_15017.htm

<http://www.un.org.np/resources/diarrhoea-outbreak/>