

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(28th Epidemiological Week)

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This bulletin includes the updates from the Early Warning Reporting System (EWARS). It includes data since January 2017 till date, including comparison of same period during last year.

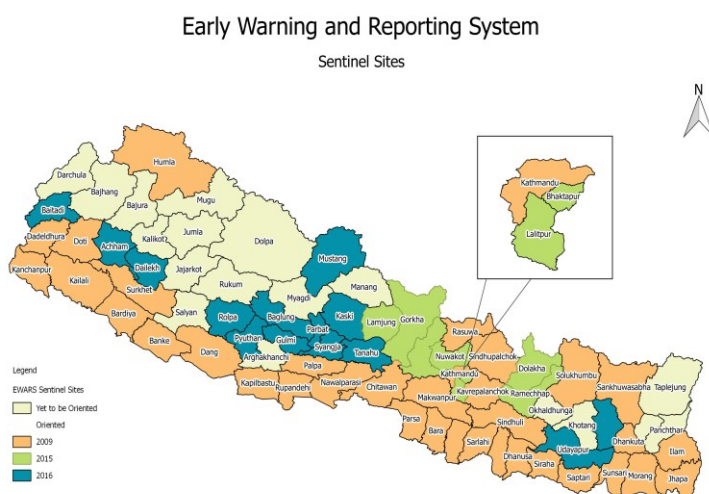
Section 1: The Early Warning and Reporting System (EWARS)

Highlights

- **Malaria:** One case of Malaria (*Plasmodium vivax*) is reported this week from District Hospital, Achham and the case is from Mangalsen VDC of Achham district.
- **Kala-azar:** Three cases of Kala-azar are reported this week, one each from United Mission Hospital, Palpa, Sukraraj Tropical and Infectious Disease Hospital, Teku, and Ramkumar Umasankar Hospital, Lahan. The cases are from Palpa, Bajura and Saptari district respectively.
- **SARI:** Five deaths from SARI are reported this week, two each from Kanti Children Hospital, Kathmandu and Lumbini Zonal Hospital, Rupandehi and one from United Mission Hospital, Palpa. The deceased are from Kavre, Siraha, Palpa and Rupandehi district.
- **AGE:** One death from AGE is reported this week from Kanti Children Hospital, Kathmandu and the deceased was from Janakpur Municipality of Dhanusha District.
- **Food Poisoning:** Forty-nine people consuming food from feast from Piple of Belkot Gadhi Municipality ward no 5 of Nuwakot district on 16th July suffered from diarrhea and vomiting. The situation is under control.

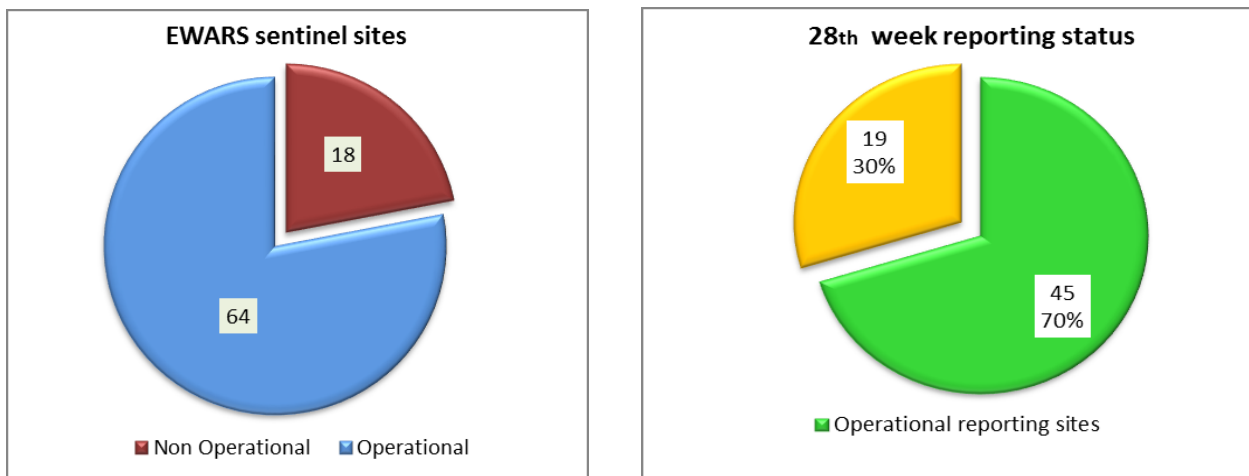
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs) can be mobilized at short notice to facilitate prompt outbreak response at Central, Regional and District level. RRTs can also support local level health institutions for investigation and outbreak control activities.

This information system is hospital-based and is currently operational in 64 hospitals (out of 82 sites) throughout Nepal (Figure 1). So far, the EWARS mainly focuses on the **weekly reporting** of number of cases and deaths (including "zero" reports) of six priority diseases/syndromes—Malaria, Kala-azar, Dengue, Acute Gastroenteritis (AGE), Cholera and Severe Acute Respiratory Infection (SARI), and other epidemic potential diseases/syndromes (like enteric fever). It equally focuses on **immediate reporting** (to be reported within 24 hours of diagnosis) of one confirmed case of Cholera, Kala-azar severe and complicated Malaria and one suspect/clinical case of Dengue as well as 5 or more cases of AGE and SARI from the same geographical locality in one week period.



Reporting Status

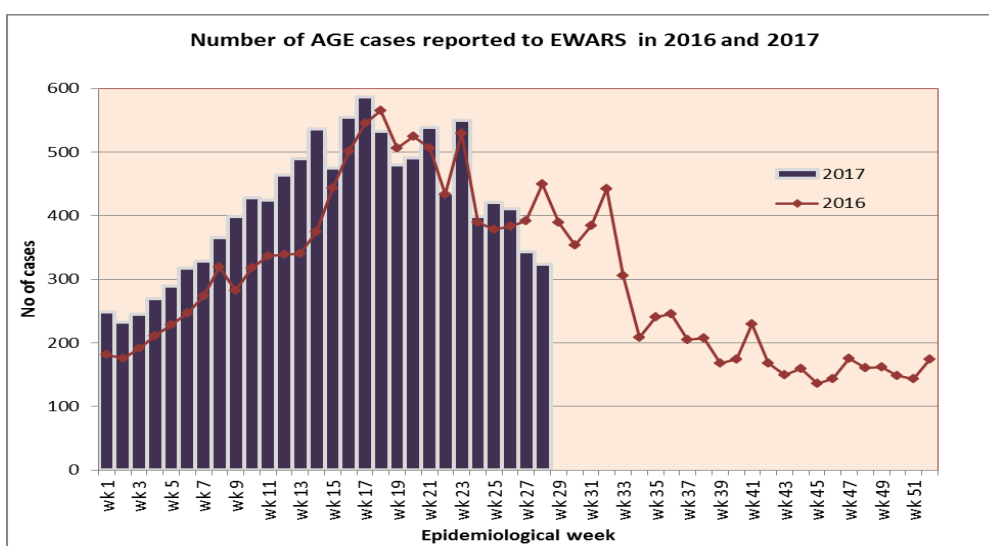
Out of 64 functional EWARS sentinel sites, report was received from 45 sentinel sites (70 percent) whereas 19 sentinel sites did not report in 28th Epidemiological week of 2017. The reporting coverage is same as compared to the previous week.



1.1 Acute Gastro-Enteritis and Cholera

324 cases of AGE are reported in 28th epidemiological week of 2017. Among 324 cases, the majority of cases are from Parsa (29 cases), Achham (27 cases), Dolakha (22 cases), Pyuthan (16 cases), Kathmandu (15 cases), Kanchanpur (14 cases), Lamjung (14 cases), Bara (10 cases) and Ramechhap (9 cases) district. The number of AGE cases reported in 28th week this year did not exceed the number of AGE cases reported in the same week last year (450 cases).

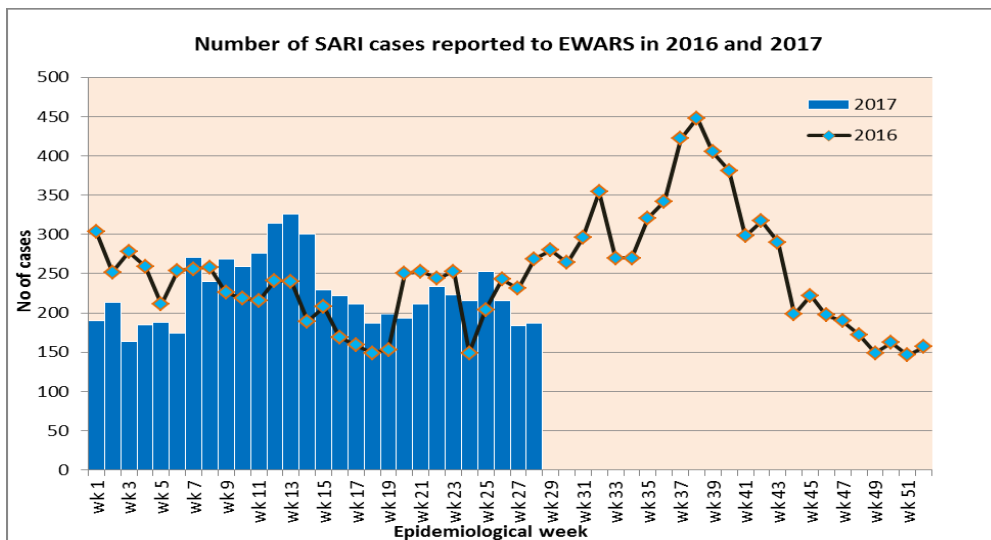
One death from AGE is reported this week from Kanti Children Hospital, Kathmandu and the deceased was from Janakpur Municipality of Dhanusha District. Twelve deaths from AGE are reported so far this year. Thirteen deaths from AGE were reported in 2016.



1.2 Severe Acute Respiratory Infection (SARI)

187 cases of SARI are reported in 28th epidemiological week of 2017. The cases of SARI reported this week did not exceed the number reported in the same week last year (269 cases). Among 187 cases, the majority of cases are from Jhapa (17 cases), Rupandehi (16 cases), Morang (13 cases), Kathmandu (13 cases), Panchthar (12 cases), Parsa (10 cases), Lalitpur (10 cases), Syangja (9 cases) and Palpa (9 cases) district.

Five deaths from SARI are reported this week, two each from Kanti Children Hospital, Kathmandu and Lumbini Zonal Hospital, Rupandehi and one from United Mission Hospital, Palpa. The deceased were from Kavre, Siraha, Rupandehi and Palpa district. Forty five deaths from SARI are reported so far this year. Seventy deaths from SARI were reported in 2016.



1.3 Enteric Fever

60 cases of Enteric fever are reported this week, including 9 from Kaski, 6 from Lamjung, 6 from Kavre, 4 from Bara, 4 from Sindhuli, 4 from Syangja and 4 from Parsa district. One death from Enteric Fever is reported so far this year.

1.4 Malaria

One case of Malaria (*Plasmodium vivax*) is reported this week from District Hospital, Achham and the case is from Mangalsen VDC of Achham district.

Forty one cases of Malaria are reported so far this year. Eighty three cases of Malaria were reported through EWARS in 2016.

1.5 Dengue

No case of Dengue is reported this week. Nine cases of Dengue are reported so far this year.

1.6 Kala-azar

Three cases of Kala-azar are reported this week, one each from United Mission Hospital, Palpa, Sukraraj Tropical and Infectious Disease Hospital, Teku, and Ramkumar Umasankar Hospital, Lahan. The deceased were from Palpa, Bajura and Saptari district respectively.

One hundred thirty five cases of Kala-azar cases are reported so far this year. 150 cases of Kala-azar were reported through EWARS in 2016.

