

**Early Warning and Reporting System (EWARS)**

# **Weekly Bulletin**

**(50<sup>th</sup> Epidemiological Week)**

**24 December 2017**



**Government of Nepal**  
**Ministry of Health**  
**Department of Health Services**  
**Epidemiology and Disease Control Division**  
**Kathmandu, Nepal**  
[ewarsedcd@gmail.com](mailto:ewarsedcd@gmail.com)

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.

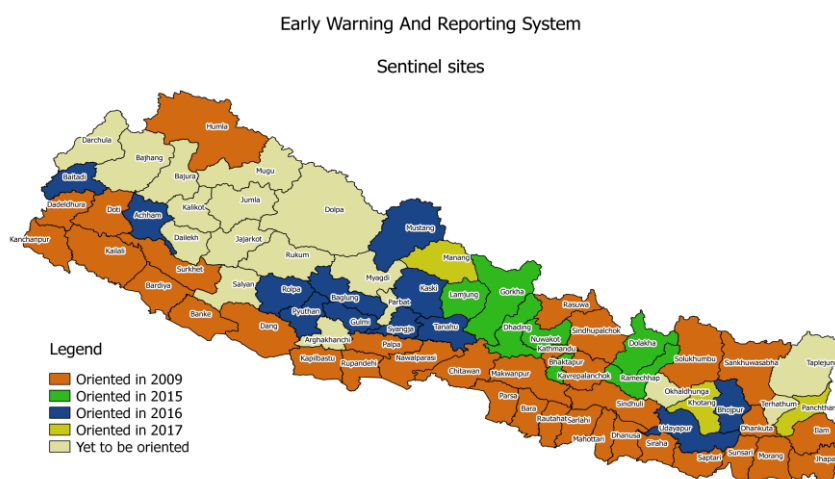
## Section 1: The Early Warning and Reporting System (EWARS)

### Highlights

- **Kala-azar:** Two cases of Kala azar are reported this week from Sukraraj Tropical and Infectious Disease Hospital, Teku and the cases are from Humla and Dang district.
- **Dengue:** Four cases of Dengue are reported this week, three from Lumbini Zonal Hospital, Rupandehi and one from Narayani Zonal Hospital, Chitwan. The cases are from Chitwan, Kapilbastu and Arghakhanchi district.
- **Scrub typhus:** One case of Scrub typhus is reported this week from Sukraraj Tropical and Infectious Disease Hospital, Teku and the case is from Sarlahi district.
- **SARI:** One death from SARI is reported this week from Patan hospital, Lalitpur and the deceased was from Kavre district.
- **Malaria:** No case of Malaria is reported this week.

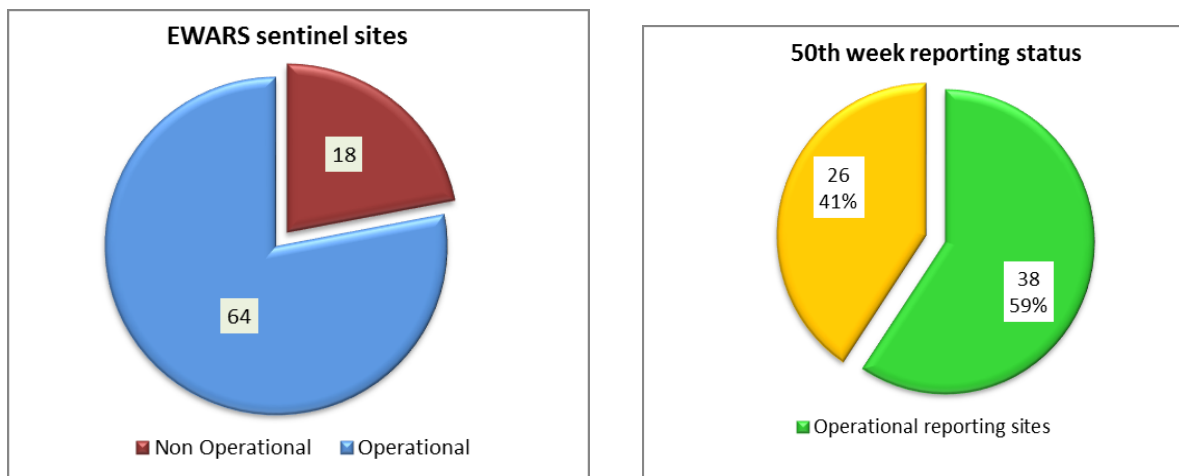
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs) 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

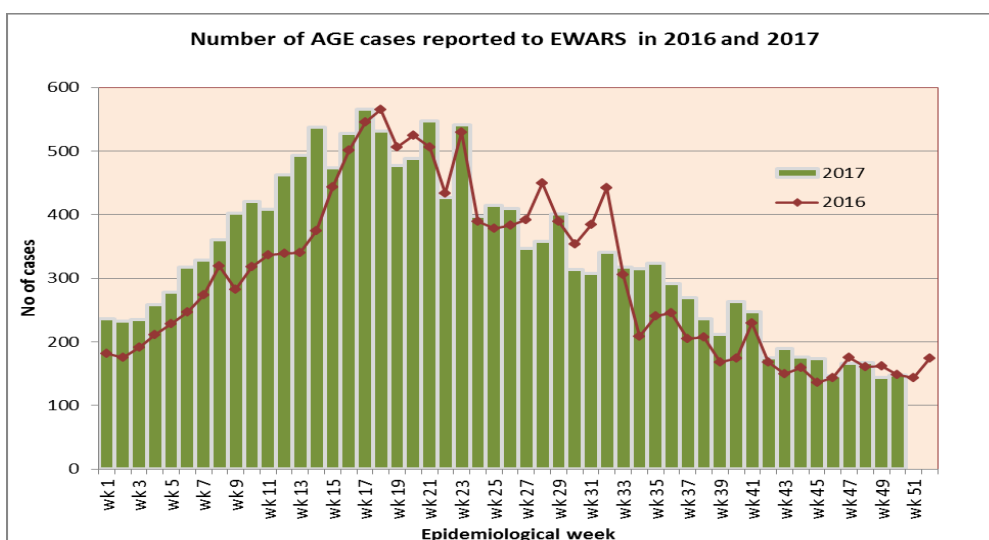
Out of 64 functional EWARS sentinel sites, report was received from 38 sentinel sites (59 percent) whereas 26 sentinel sites did not report in 50<sup>th</sup> Epidemiological week of 2017. The reporting coverage is increased as compared to the previous week.



### 1.1 Acute Gastro-Enteritis and Cholera

148 cases of AGE are reported in 50<sup>th</sup> epidemiological week of 2017. Among 148 cases, the majority of cases are from Kapilbastu (11 cases), Dhanusha (10 cases), Siraha (10 cases), Illam (9 cases), Morang (9 cases), Solukhumbu (8 cases), Kanchanpur (8 cases), Dolakha (7 cases) and Kathmandu (7 cases) district. The number of AGE cases reported in 50<sup>th</sup> week this year is same as the compared number of AGE cases reported in the same week last year (148 cases).

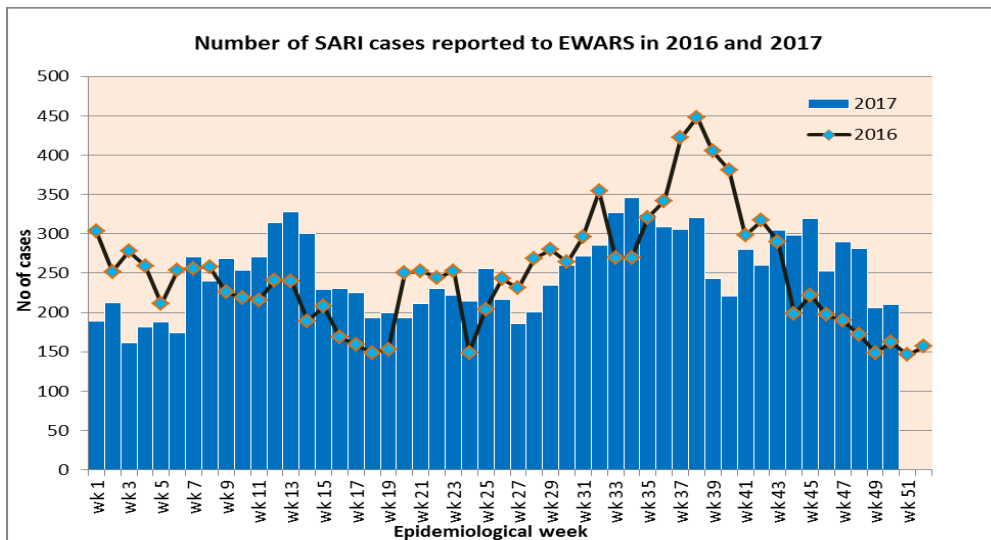
No death from AGE is reported this week. Twenty deaths from AGE are reported so far this year. Thirteen deaths from AGE were reported in 2016.



## 1.2 Severe Acute Respiratory Infection (SARI)

210 cases of SARI are reported in 50<sup>th</sup> epidemiological week of 2017. The cases of SARI reported this week exceed the number reported in the same week last year (162 cases). Among 210 cases, the majority of cases are from Morang (38 cases), Rupandehi (18 cases), Lalitpur (14 cases), Kanchanpur (13 cases), Kathmandu (11 cases), Palpa (10 cases), Gulmi (8 cases) and Sunsari (8 cases) district.

One death from SARI is reported this week from Patan hospital, Lalitpur and the deceased was from Kavre district. Eighty two deaths from SARI are reported so far this year. Seventy deaths from SARI were reported in 2016.



## 1.3 Enteric Fever

18 cases of Enteric fever are reported this week, including 5 from Kaski, 3 from Chitwan, 2 each from Gulmi and Kathmandu and one each from dang, Dolakha, Lamjung, Ramechhap, Saptari and Tanahun district. Three deaths from Enteric Fever are reported so far this year.

## 1.4 Malaria

No case of Malaria is reported this week. Ninety one cases of Malaria are reported so far this year. Eighty three cases of Malaria were reported through EWARS in 2016.

## 1.5 Dengue

Four cases of Dengue are reported this week, 3 Lumbini Zonal Hospital, Rupandehi and one from Narayani Zonal Hospital, Chitwan. The cases are from Chitwan, Kapilbastu and Arghakhanchi district.

## 1.6 Kala-azar

Two cases of Kala azar are reported this week from Sukraraj Tropical and Infectious Disease Hospital, Teku and the cases are from Humla and Dang district.

Two hundred twelve cases of Kala-azar are reported so far this year. 150 cases of Kala-azar were reported through EWARS in 2016.



The Epidemiology and Disease Control Division highly acknowledges the contribution from all the medical recorders, EWARS focal persons, rapid response team members and support from WHO for preparation of this bulletin.

**Note:** EWARS reporting form (in MS Excel format) is available at EDCD's official website [www.edcd.gov.np](http://www.edcd.gov.np). This bulletin is also available at the website.