

Early Warning and Reporting System (EWARS) Weekly Bulletin (27th Epidemiological Week) 16 July 2017



Government of Nepal
Ministry of Health
Department of Health Services
Epidemiology and Disease Control Division
Kathmandu, Nepal
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

- **Malaria:** One case of Malaria (*Plasmodium falciparum*) is reported this week from BPKIHS, Dharan and the case is from Siraha district.
- **Kala-azar:** Six cases of Kala-azar including one death are reported this week. Among six cases, 2 cases are reported from Sukraraj Tropical and Infectious Disease Hospital, Teku, 2 cases from Lumbini Zonal Hospital, Rupandehi and one from District Hospital, Sarlahi. One death from Kala-azar is reported from Bheri Zonal Hospital, Banke.
- **SARI:** One death from AGE is reported this week from Narayani Sub Regional Hospital, Parsa and the case is from Birgunj Sub Metropolitan city of Parsa district.
- No case of dengue is reported this week.

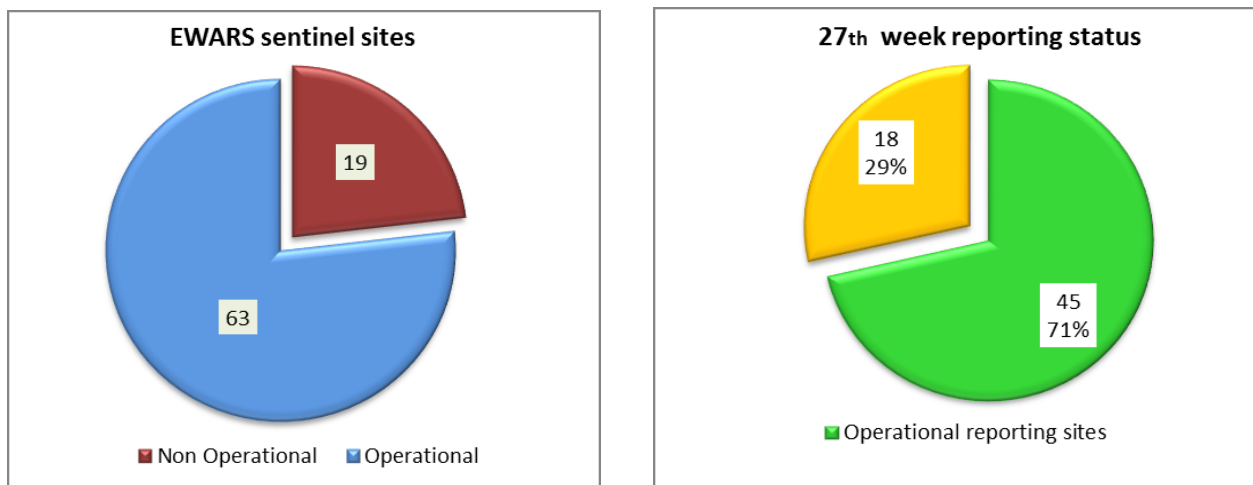
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs) 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 63 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

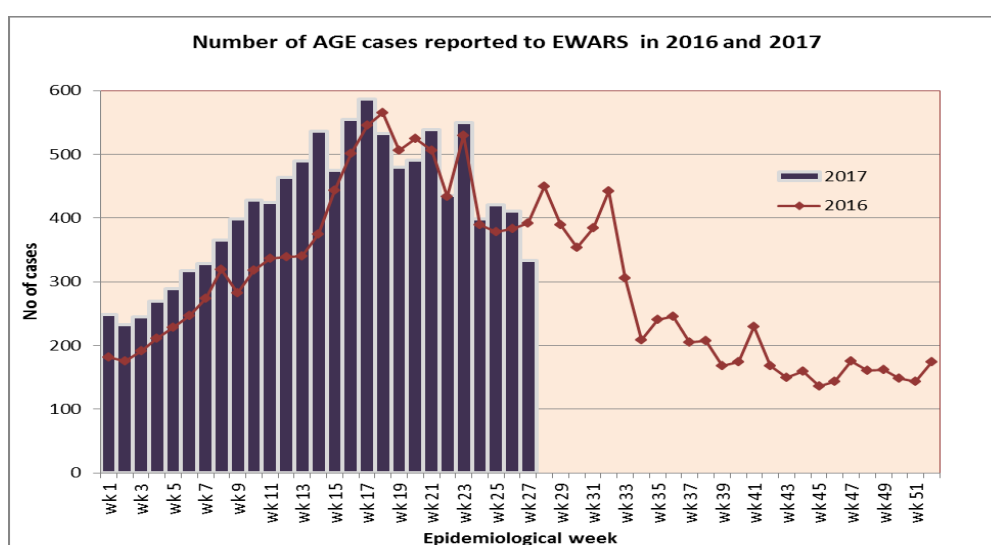
Out of 63 functional EWARS sentinel sites, report was received from 45 sentinel sites (71 percent) whereas 18 sentinel sites did not report in 27th Epidemiological week of 2017. The reporting coverage is increased as compared to the previous week.



1.1 Acute Gastro-Enteritis and Cholera

333 cases of AGE are reported in 27th epidemiological week of 2017. Among 333 cases, the majority of cases are from Dolakha (26 cases), Parsa (25 cases), Dhanusha (23 cases), Kathmandu (19 cases), Achham (15 cases), Bara (15 cases), Kapilbastu (14 cases), Makawanpur (13 cases), Nawalparasi (12 cases) and Rupandehi (11 cases) district. The number of AGE cases reported in 27th week this year did not exceed the number of AGE cases reported in the same week last year (392 cases).

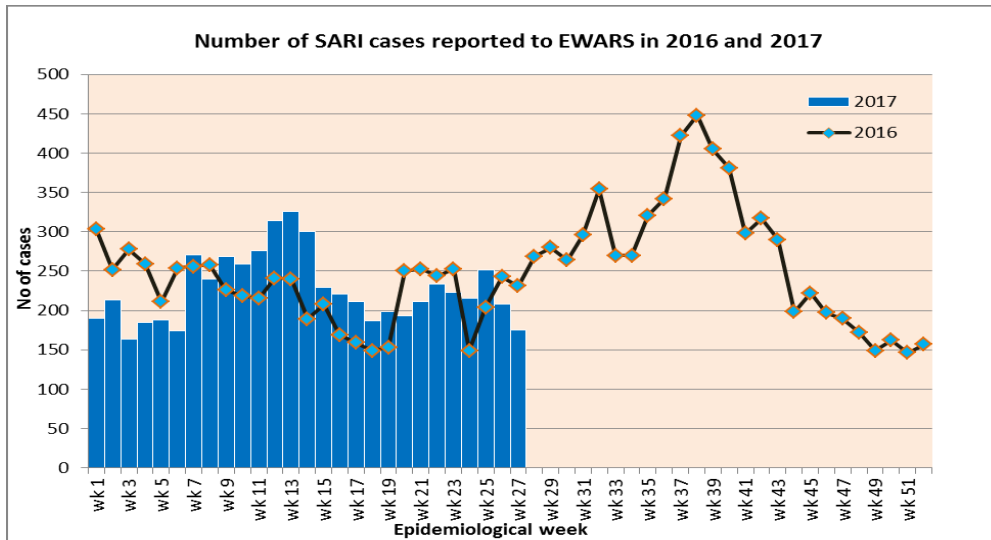
One death from AGE is reported this week from Narayani Sub Regional Hospital, Parsa and the case is from Birgunj Sub Metropolitan city of Parsa district. Eleven deaths from AGE are reported so far this year. Thirteen deaths from AGE were reported in 2016.



1.2 Severe Acute Respiratory Infection (SARI)

175 cases of SARI are reported in 27th epidemiological week of 2017. The cases of SARI reported this week did not exceed the number reported in the same week last year (231 cases). Among 175 cases, the majority of cases are from Rupandehi (17 cases), Morang (11 cases), Lalitpur (11 cases), Kathmandu (10 cases), Syangja (8 cases), Panchthar (8 cases), Parsa (8 cases), Kapilbastu (6 cases), Dhankuta (6 cases) and Dang (6 cases) district.

No death from SARI is reported this week. Forty deaths from SARI are reported so far this year. Seventy deaths from SARI were reported in 2016.



1.3 Enteric Fever

74 cases of Enteric fever are reported this week, including 8 from Lamjung, 7 from Palpa, 7 from Kaski, 5 from Chitwan, 4 from Sindhuli, 4 from Syangja, 4 from Kathmandu and 4 from Kavre district. One death from Enteric Fever is reported so far this year.

1.4 Malaria

One case of Malaria (*Plasmodium falciparum*) is reported this week from BPKIHS, Dharan and the case is from Siraha district.

Forty 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

Six cases of Kala-azar including one death are reported this week. Among six cases, 2 cases are reported from Sukraraj Tropical and Infectious Disease Hospital, Teku, 2 cases from Lumbini Zonal Hospital, Rupandehi and one from District Hospital, Sarlahi. One death is reported from Bheri Zonal Hospital, Banke. The cases are from Sindhuli, Surkhet, Pyuthan, Palpa, Sarlahi and Banke district respectively.

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

