

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(42nd 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

- **Dengue:** A total of 854 Dengue cases have been reported from 18 different districts since January 2017, out of which 341 cases from Jhapa, 189 cases from Mahottari, 123 from Rupandehi and 108 cases from Sarlahi district.
- **Kala-azar:** Five cases of Kala-azar are reported this week, one each from Koshi Zonal Hospital, Morang; Janakpur Zonal Hospital, Dhanusha; United Mission Hospital, Palpa; Lumbini Zonal Hospital, Rupandehi and Sukraraj Tropical and Infectious Disease Hospital, Teku. The cases are from Morang, Mahottari, Syangja, Arghakhanchi and Bardiya district.
- **Scrub Typhus:** 10 cases of Scrub Typhus are reported this week, 4 from Kanti Children Hospital, Kathmandu, 3 from Sukraraj Tropical and Infectious Disease Hospital, Teku, 2 from Lumbini Zonal Hospital, Rupandehi and 1 from United Mission Hospital, Palpa.
- **SARI:** One death from SARI is reported this week from United Mission Hospital, Palpa and the deceased was from India.
- **Malaria:** No case of Malaria is reported this week.

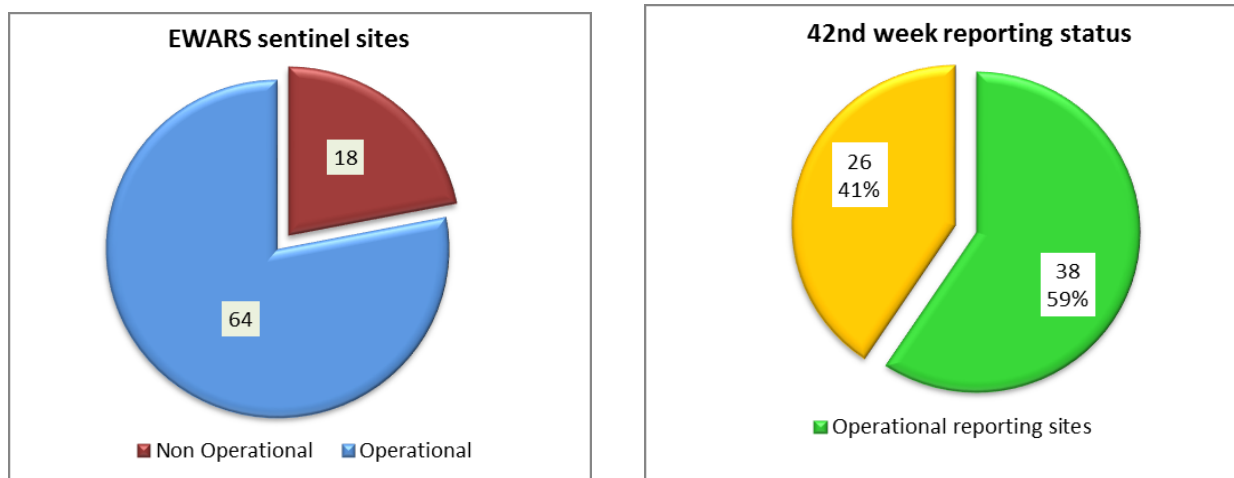
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs)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

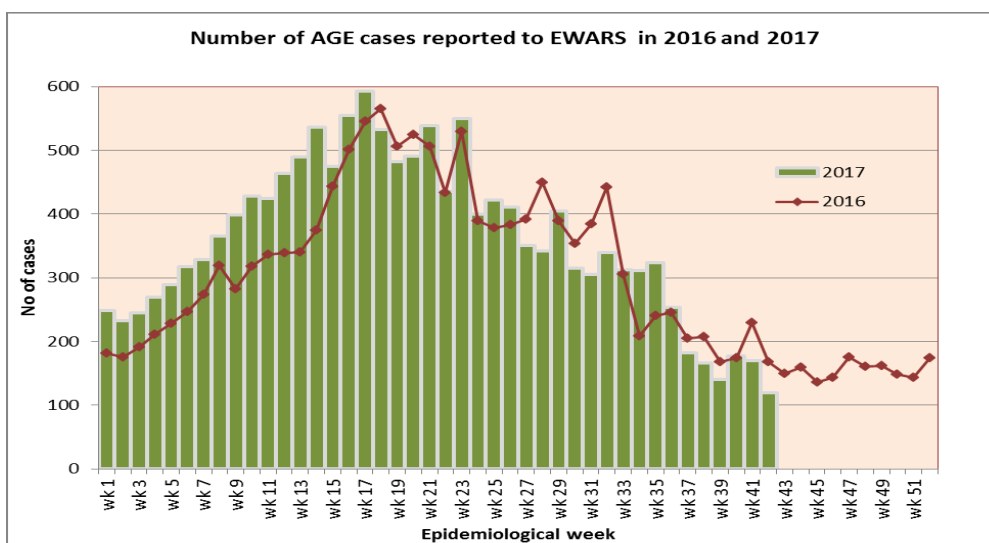
Out of 64 functional EWARS sentinel sites, report was received from 38 sentinel sites (59 percent) whereas 26 sentinel sites did not report in 42nd Epidemiological week of 2017. The reporting coverage is same as compare to the previous week.



1.1 Acute Gastro-Enteritis and Cholera

120 cases of AGE are reported in 42nd epidemiological week of 2017. Among 120 cases, the majority of cases are from Siraha (13 cases), Kapilbastu (11 cases), Dhanusha (11 cases), Jhapa (9 cases), Kanchanpur (9 cases), Sankhuwasabha (6 cases), Rautahat (5 cases), and Bara (5 cases) district. The number of AGE cases reported in 42nd week this year did not exceed the number of AGE cases reported in the same week last year (168 cases).

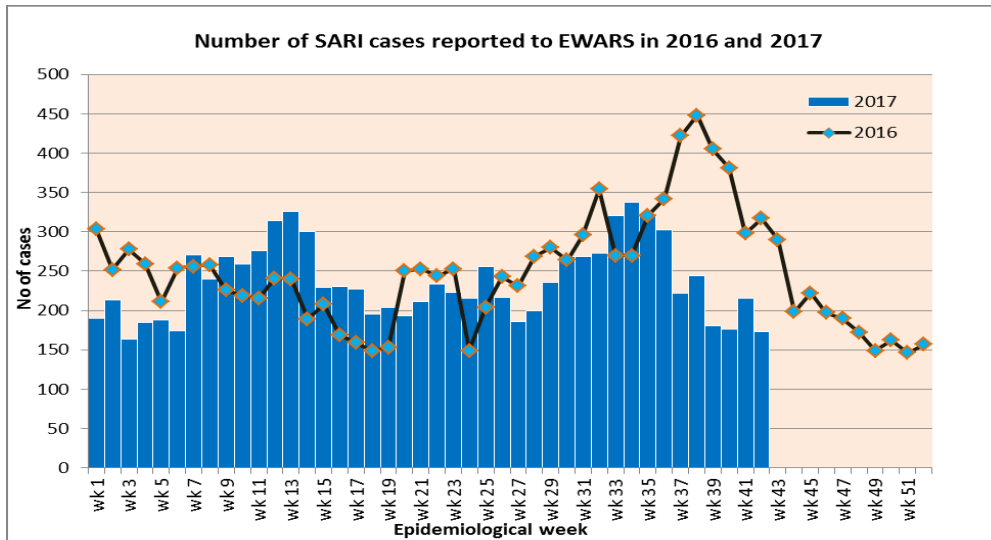
No death from AGE is reported this week. Seventeen deaths from AGE are reported so far this year. Thirteen deaths from AGE were reported in 2016.



1.2 Severe Acute Respiratory Infection (SARI)

173 cases of SARI are reported in 42nd epidemiological week of 2017. The cases of SARI reported this week did not exceed the number reported in the same week last year (317 cases). Among 173 cases, the majority of cases are from Jhapa (19 cases), Rupandehi (13 cases), Dhankuta (11 cases), Morang (11 cases), Sunsari (9 cases), Siraha (8 cases), Kanchanpur (7 cases), Palpa (7 cases) and Gulmi (6 cases) district.

One death from SARI is reported this week from United Mission Hospital, Palpa and the deceased was from India. Seventy deaths from SARI are reported so far this year. Seventy deaths from SARI were reported in 2016.



1.3 Enteric Fever

56 cases of Enteric fever are reported this week, including 10 from Syangja, 6 from Lamjung, 4 from Kaski, 4 from Sindhuli, 3 from Kathmandu and 3 from Illam district. Two deaths from Enteric Fever are reported so far this year.

1.4 Malaria

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

1.5 Dengue

A total of 854 Dengue cases have been reported from 18 different districts since January 2017, out of which 341 cases from Jhapa, 189 from Mahottari, 123 from Rupandehi, 108 from Sarlahi, 50 from Dhading, 23 from Chitwan, 4 from Dang, 3 from Makawanpur, 2 each from Nawalparasi, Kapilbastu and Bara and one each from Kaski, Gorkha, Achham, Gulmi, Baglung, Kathmandu and Bhaktapur.

1.6 Kala-azar

Five cases of Kala-azar are reported this week, one each from Koshi Zonal Hospital, Morang; Janakpur Zonal Hospital, Dhanusha; United Mission Hospital, Palpa; Lumbini Zonal Hospital, Rupandehi and Sukraraj Tropical and Infectious Disease Hospital, Teku. The cases are from Morang, Mahottari, Syangja, Arghakhanchi and Bardiya district.

Acknowledgement

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. This bulletin is also available at the website.