

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(29th Epidemiological Week)

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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

- **Influenza A/ H1N1 Pdm09:** Two deaths (on 24th and 29th July) from Influenza A H1N1 Pdm09 have confirmed. The deceased are from Syangja and Pokhara.
- **Leptospirosis:** Two cases of Leptospirosis have been confirmed by NPHL, Teku and the cases are from Sundarharaichya Municipality-5, Fokland Tapu of Morang district.
- **Malaria:** Three cases of Malaria (*Plasmodium falciparum*) are reported this week, two from Seti Zonal Hospital, Kailali and one from BPKIHS, Dharan. The cases are from Kanchanpur, Kailali and Khotang district respectively. Similarly one case of Malaria (*Plasmodium vivax*) is reported from BPKIHS, Dharan and the case is from Saptari district.
- **Kala-azar:** Four cases of Kala-azar are reported this week, two from United Mission Hospital, Palpa and one each from Mechi Zonal Hospital Jhapa and Lumbini Zonal Hospital, Rupandehi. The cases are from Syangja, Palpa, Jhapa, and Dang district respectively.
- **Dengue:** One case of Dengue is reported this week from Lumbini Zonal Hospital, Rupandehi and the case is from Baglung district.
- **SARI:** One death from Sari is reported this week from Patan Hospital, Lalitpur and the deceased was from Bhaktapur district.
- **AGE:** One death from AGE is reported this week from Patan Hospital, Lalitpur and the deceased was from Lalitpur district.

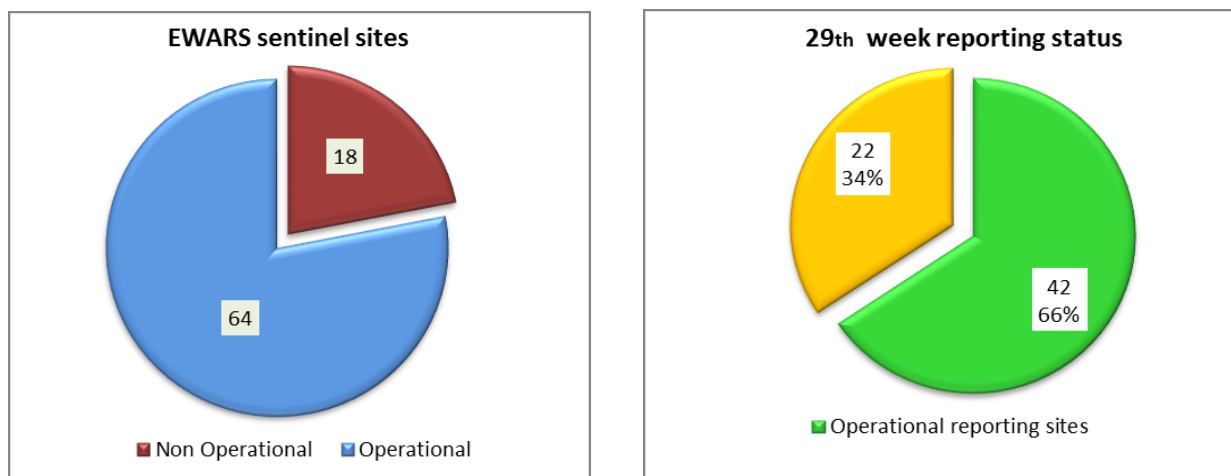
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs)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

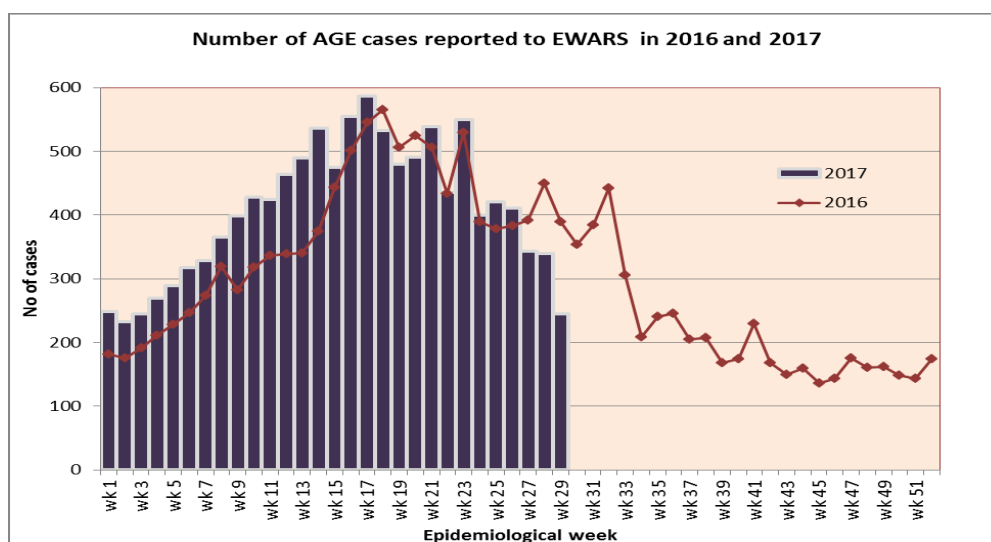
Out of 64 functional EWARS sentinel sites, report was received from 42 sentinel sites (66 percent) whereas 22 sentinel sites did not report in 29th Epidemiological week of 2017. The reporting coverage is decreased as compared to the previous week.



1.1 Acute Gastro-Enteritis and Cholera

245 cases of AGE are reported in 29th epidemiological week of 2017. Among 245 cases, the majority of cases are from Dolakha (23 cases), Kanchanpur (21 cases), Kathmandu (18 cases), Sunsari (13 cases), Lamjung (11 cases), Gorkha (10 cases), Lalitpur (10 cases), Makawanpur (9 cases) and Rasuwa (9 cases) district. The number of AGE cases reported in 29th week this year did not exceed the number of AGE cases reported in the same week last year (389 cases).

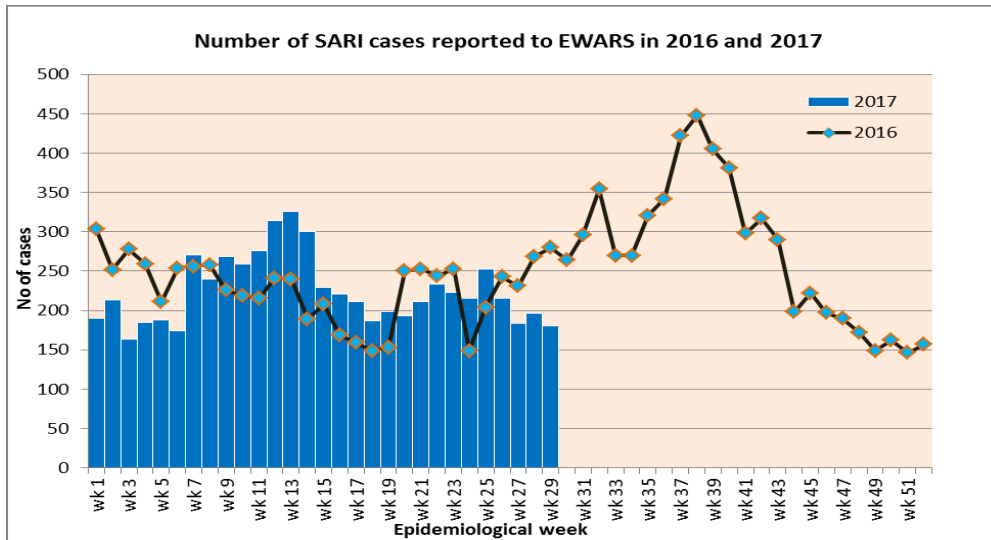
One death from AGE is reported this week from Patan Hospital, Lalitpur and the deceased was from Lalitpur district. Thirteen deaths from AGE are reported so far this year. Thirteen deaths from AGE were reported in 2016.



1.2 Severe Acute Respiratory Infection (SARI)

196 cases of SARI are reported in 29th epidemiological week of 2017. The cases of SARI reported this week did not exceed the number reported in the same week last year (280 cases). Among 196 cases, the majority of cases are from Jhapa (28 cases), Morang (27 cases), Rupandehi (15 cases), Lalitpur (12 cases), Palpa (10 cases), Gorkha (8 cases), Sunsari (7 cases) and Dhankuta (9 cases) district.

One death from Sari is reported this week from Patan Hospital, Lalitpur and the deceased was from Bhaktapur district. Forty six deaths from SARI are reported so far this year. Seventy deaths from SARI were reported in 2016.



1.3 Enteric Fever

65 cases of Enteric fever are reported this week, including 7 from Bardiya, 6 from Kaski, 6 from Kathmandu, 6 from Sindhuli, 6 from Siraha, 4 from Lamjung and 4 from Nawalparasi district. One death from Enteric Fever is reported so far this year.

1.4 Malaria

Three cases of Malaria (*Plasmodium falciparum*) are reported this week, two from Seti Zonal Hospital, Kailali and one from BPKIHS, Dharan. The cases are from Kanchanpur, Kailali and Khotang district respectively. Similarly one case of Malaria (*Plasmodium vivax*) is reported from BPKIHS, Dharan and the case is from Saptari district.

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

1.5 Dengue

One case of Dengue is reported this week from Lumbini Zonal Hospital, Rupandehi and the case is from Baglung district. Ten cases of Dengue are reported so far this year.

1.6 Kala-azar

Four cases of Kala-azar are reported this week, two from United Mission Hospital, Palpa and one each from Mechi Zonal Hospital Jhapa and Lumbini Zonal Hospital, Rupandehi. The cases are from Syangja, Palpa, Jhapa, and Dang district respectively. One hundred thirty nine cases of Kala-azar cases are reported so far this year. 150 cases of Kala-azar were reported through EWARS in 2016.

