

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

# **Weekly Bulletin**

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

**27 May, 2018**



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This bulletin includes the updates from the Early Warning Reporting System (EWARS). It includes data since January 2018 till date, including comparison of same period during last year.

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

### Highlights

- **Diarrhea outbreak reported from Dang District:** A Total of 786 cases of Diarrhoea have been treated in Santinagar Health Post of Dang district in last two days (26&27 May, 2018). No deaths have been reported. Medical team from DPHO, Nepal Army, Tulsipur Zonal Hospital and Tulsi Child Hospital have been mobilized to the affected area for the outbreak management and response.
- **Kala-azar:** Two cases of Kala-azar are reported this week from Sukraraj Tropical and Infectious Disease Hospital Teku, and the cases are from Rupandehi and Sindhuli district.
- **Malaria:** One case of Malaria (*Plasmodium falciparum*) is reported this week from Sukraraj Tropical and Infectious Disease Hospital, Teku and the case is from Badhaiyataal Rural Municipality of Bardiya district. Similarly one case of Malaria (*Plasmodium Vivax*) is reported this week from Mahakali Zonal Hospital, Kanchanpur and the case is from Bhimdatt Municipality of Kanchanpur district.
- **Dengue:** No case of Dengue is reported this week.
- **Scrub Typhus:** One case of Scrub Typhus is reported this week from Kanti Children Hospital, Kathmandu and the case is from Tikapur Municipality of Kailali district.

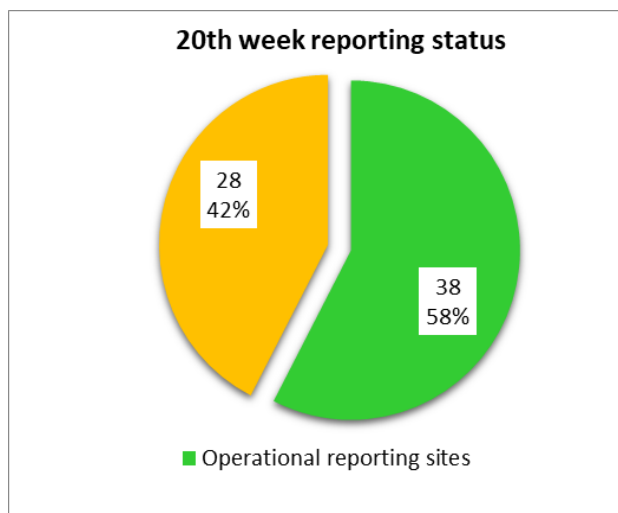
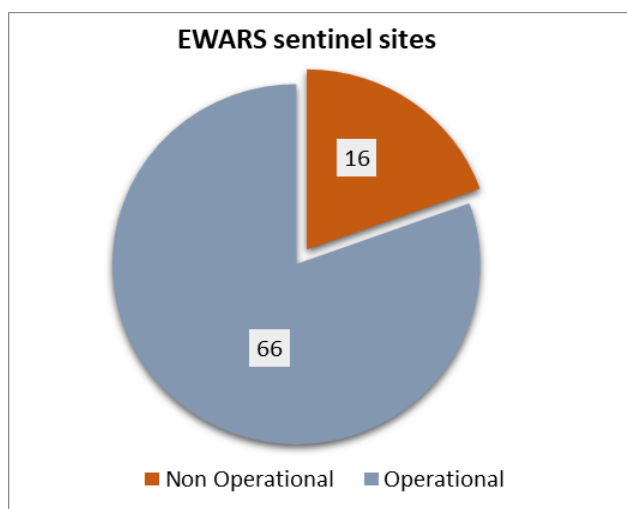
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs) 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 66 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

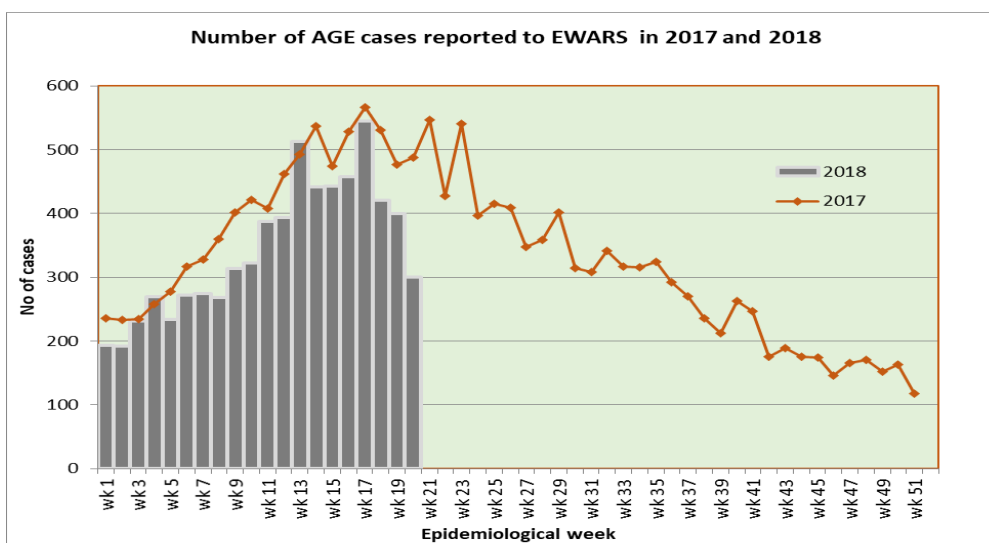
Out of 66 functional EWARS sentinel sites, report was received from 38 sentinel sites (58 percent) whereas 28 sentinel sites did not report in 20<sup>th</sup> Epidemiological week of 2018. The reporting coverage is slightly decreased as compared to previous week.



### 1.1 Acute Gastro-Enteritis and Cholera

300 cases of AGE are reported in 20<sup>th</sup> epidemiological week of 2018. Among 300 cases, the majority of cases are from, Kanchanpur (50 cases), Dolakha (35 cases), Dhanusha (25 cases), Achham (21 cases), Kailali (19 cases), Lamjung (15 cases), Dhading (12 cases), Jhapa (11 cases), Kathmandu (10 cases), and Morang (10 cases) district. The number of AGE cases reported in 20<sup>th</sup> week this year did not exceed the number of AGE cases reported in the same week last year (488 cases).

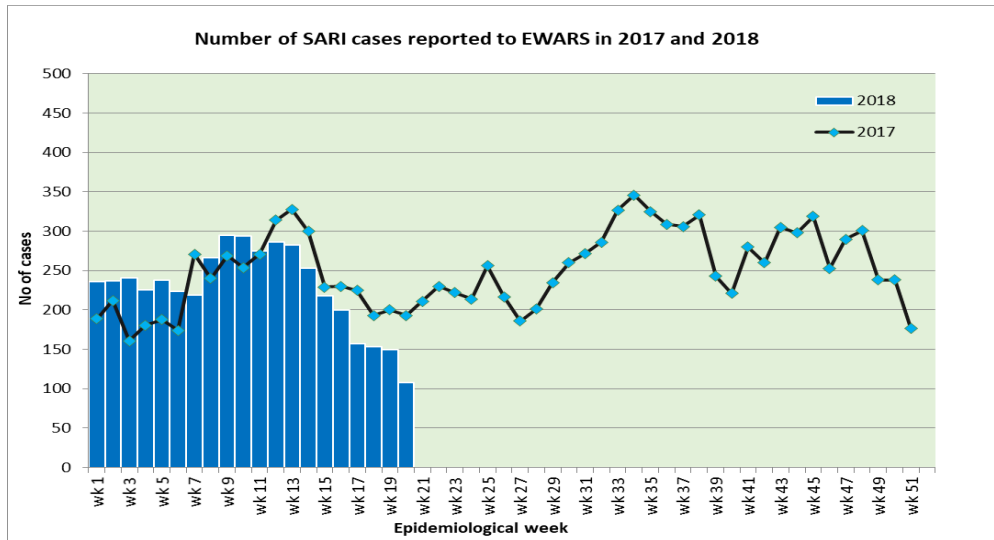
No death from AGE is reported this week. Four deaths from AGE are reported so far this year. Twenty deaths from AGE were reported in 2017.



## 1.2 Severe Acute Respiratory Infection (SARI)

104 cases of SARI are reported in 20<sup>th</sup> epidemiological week of 2018. The cases of SARI reported this week did not exceed the number reported in the same week last year (193 cases). Among 104 reported cases, the majority of cases are from Morang (24 cases), Jhapa (11 cases), Kailali (9 cases), Ilam (8 cases), Sunsari (7 cases), Bhojpur (6 cases), Dolakha (5 cases), and Kathmandu (4 cases) district.

No death from SARI is reported this week. 25 deaths from SARI are reported so far this year. Eighty two deaths from SARI were reported in 2017.



## 1.3 Enteric Fever

30 cases of Enteric fever are reported this week including 5 from Dolakha, 4 from Sindhuli, 3 from Kaski, 2 from Kathmandu and 2 from Lamjung district. No death from Enteric fever is reported so far this year. Three deaths from Enteric Fever were reported in 2017.

## 1.4 Malaria

One case of Malaria (*Plasmodium falciparum*) is reported this week from Sukraraj Tropical and Infectious Disease Hospital, Teku and the case is from Badhaiyataal Rural Municipality of Bardiya district. Similarly one case of Malaria (*Plasmodium Vivax*) is reported this week from Mahakali Zonal Hospital, Kanchanpur and the case is from Bhimdatt Municipality of Kanchanpur district.

Nineteen cases of Malaria are reported so far this year. Ninety one cases of Malaria are reported through EWARS in 2017.

## 1.5 Dengue

No case of Dengue is reported this week. Eleven cases of Dengue including one death are reported so far this year. 1201 cases of dengue are reported through EWARS in 2017.

## 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 Rupandehi and Sindhuli district.

Sixty cases of Kala azar including two deaths are reported so far this year. Two hundred twelve cases of Kala-azar were reported through EWARS in 2017.

## 1.7 Scrub Typhus

One case of Scrub Typhus is reported this week from Kanti Children Hospital, Kathmandu and the case is from Tikapur Municipality of Kailali district. Twenty cases of scrub typhus are reported so far this year. 451 cases of Scrub Typhus were reported through EWARS in 2017.

### Timeliness & completeness of reporting from sentinel sites:

| Code | Sentinel Sites              | Timeliness (This Week) | Completeness (%) | Site Code | Sentinel Sites           | Timeliness (This Week) | Completeness (%) |
|------|-----------------------------|------------------------|------------------|-----------|--------------------------|------------------------|------------------|
| 101  | Mechi ZH, Jhapa             | On Time                | 100              | 135       | DH, Sindhuli             | On Time                | 100              |
| 102  | Koshi ZH, Morang            | On Time                | 100              | 136       | DH, Illam                | On Time                | 100              |
| 103  | DH, Sunsari                 | On Time                | 100              | 137       | Dhulikhel H., Kavre      | On Time                | 100              |
| 104  | BPKIHS, Dharan              | On Time                | 100              | 138       | DH, Solukhumbu           | On Time                | 100              |
| 105  | DH, Dhankuta                | On Time                | 100              | 139       | DH, Dolpa                | No Reporting           | 0                |
| 106  | SZH, Saptari                | No Reporting           | 0                | 140       | DH, Humla                | No Reporting           | 0                |
| 107  | RKUP Lahan, Siraha          | On Time                | 100              | 201       | L. Comm DH, Lamjung      | On Time                | 100              |
| 108  | DH, Siraha                  | No Reporting           | 20               | 202       | DH, Dhading              | On Time                | 70               |
| 109  | JZH, Dhanusha               | On Time                | 100              | 203       | DH, Ramechhap            | On Time                | 100              |
| 110  | DH, Rautahat                | No Reporting           | 20               | 204       | Bhaktapur Hospital       | No Reporting           | 0                |
| 111  | DH, Bara                    | On Time                | 100              | 205       | Patan Hospital, Lalitpur | On Time                | 100              |
| 112  | NSRH, Parsa                 | On Time                | 100              | 206       | DH, Gorkha               | No Reporting           | 35               |
| 113  | DH, Makawanpur              | No Reporting           | 95               | 207       | DH Trishuli, Nuwakot     | No Reporting           | 0                |
| 114  | Bharatpur Hospital, Chitwan | No Reporting           | 95               | 208       | Charikot PHCC, Dolakha   | On Time                | 100              |
| 115  | Kanti CH, Kathmandu         | On Time                | 100              | 209       | Jiri H, Dolakha          | On Time                | 100              |
| 116  | STIDH, Kathmandu            | On Time                | 100              | 210       | DH, Syangja              | No Reporting           | 0                |
| 117  | UMH, Palpa                  | On Time                | 100              | 211       | DH, Tanahun              | No Reporting           | 25               |
| 118  | PCH, Nawalparasi            | No Reporting           | 95               | 212       | WRH, Kaski               | On Time                | 100              |
| 119  | PBH, Kapilbastu             | No Reporting           | 95               | 214       | DH, Gulmi                | No Reporting           | 65               |
| 120  | LZH, Rupandehi              | No Reporting           | 95               | 215       | DZH, Baglung             | On Time                | 100              |
| 121  | RSRH Dang                   | No Reporting           | 85               | 218       | DH, Manang               | On Time                | 100              |
| 122  | MWRH, Surkhet               | On Time                | 100              | 219       | DH, Mustang              | No Reporting           | 0                |
| 123  | BZH, Banke                  | No Reporting           | 0                | 220       | DH, Pyuthan              | On Time                | 100              |
| 124  | SZH, Kailali                | On Time                | 25               | 221       | DH, Rolpa                | No Reporting           | 0                |
| 125  | MZH, Kanchanpur             | On Time                | 100              | 229       | DH, Achham               | On Time                | 100              |
| 126  | DH, Doti                    | On Time                | 100              | 230       | DH, Baitadi              | No Reporting           | 75               |
| 127  | DH, Bardiya                 | No Reporting           | 65               | 234       | DH, Taplejung            | No Reporting           | 65               |
| 128  | DH, Mahottari               | No Reporting           | 55               | 235       | DH, Panchthar            | On Time                | 100              |
| 129  | DH, Dadeldhura              | No Reporting           | 0                | 236       | DH, Terhathum            | No Reporting           | 95               |
| 130  | DH, Rasuwa                  | No Reporting           | 95               | 237       | DH, Bhojpur              | On Time                | 100              |
| 131  | DH, Sankhuwasabha           | No Reporting           | 35               | 238       | DH, Khotang              | No Reporting           | 85               |
| 132  | AMDA Hosp., Jhapa           | On Time                | 100              | 240       | DH, Udayapur             | No Reporting           | 0                |
| 133  | DH, Chautara                | On Time                | 100              | 301       | Bayalpata Hosp., Achham  | On Time                | 100              |

|     |             |         |     |                      |
|-----|-------------|---------|-----|----------------------|
| 134 | DH, Sarlahi | On Time | 100 |                      |
|     |             |         |     | Excellent (>80)      |
|     |             |         |     | Satisfactory (50-79) |
|     |             |         |     | Bad(<50)             |

### 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](http://www.edcd.gov.np) . This bulletin is also available at the website.