

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(51st 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.

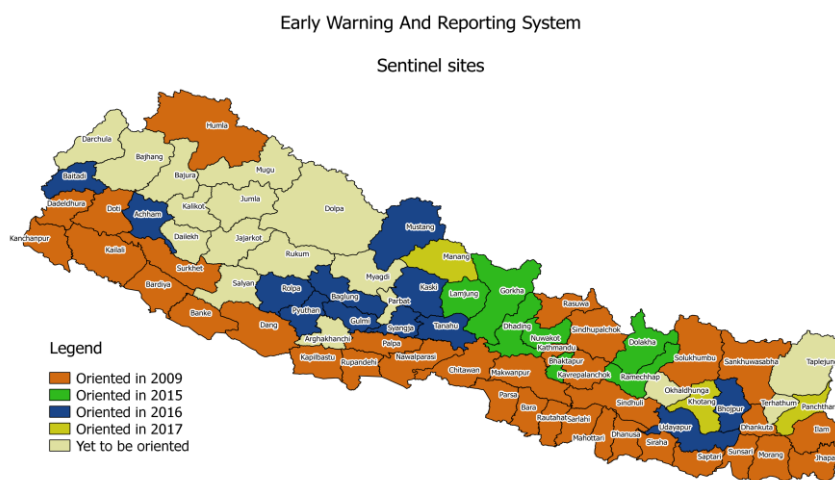
Section 1: The Early Warning and Reporting System (EWARS)

Highlights

- **Dengue:** Nine cases of Dengue are reported this week, 6 from Lumbini Zonal Hospital, Rupandehi and one each from Mechi Zonal Hospital, Jhapa, Sukraraj tropical and Infectious Disease Hospital, Teku and Mahakali Zonal Hospital, Kanchanpur. The cases are from Rupandehi, Chitwan, Jhapa and Kanchanpur 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 Banke district.
- **Kala-azar:** No Case of Kala-azar is reported this week.
- **Malaria:** No case of Malaria is reported this week.
- No death from disease/syndrome is reported this week.

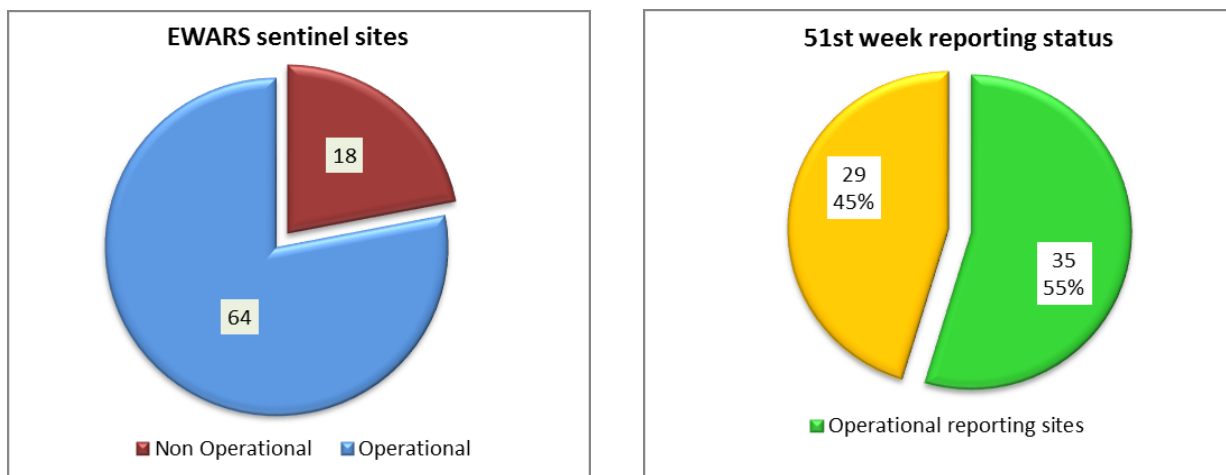
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs)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

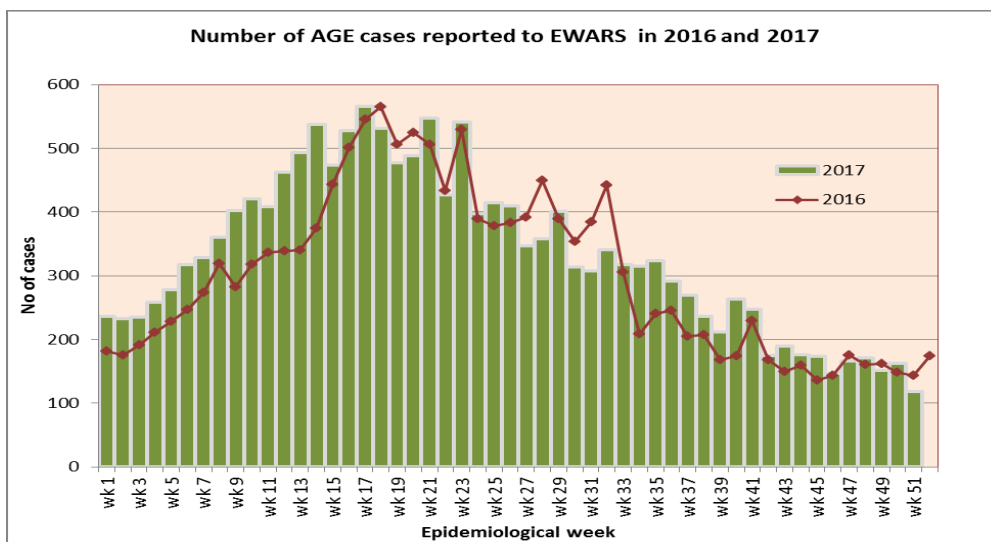
Out of 64 functional EWARS sentinel sites, report was received from 35 sentinel sites (55 percent) whereas 29 sentinel sites did not report in 51st Epidemiological week of 2017. The reporting coverage is decreased as compared to the previous week.



1.1 Acute Gastro-Enteritis and Cholera

118 cases of AGE are reported in 51st epidemiological week of 2017. Among 118 cases, the majority of cases are from Dhanusha (11 cases), Dolakha (11 cases), Achham (10 cases), Morang (9 cases), Kapilbastu (7 cases), Illam (5 cases), Jhapa (5 cases) and Lamjung (5 cases) district. The number of AGE cases reported in 51st week this year is less as compared to the number of AGE cases reported in the same week last year (143 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.

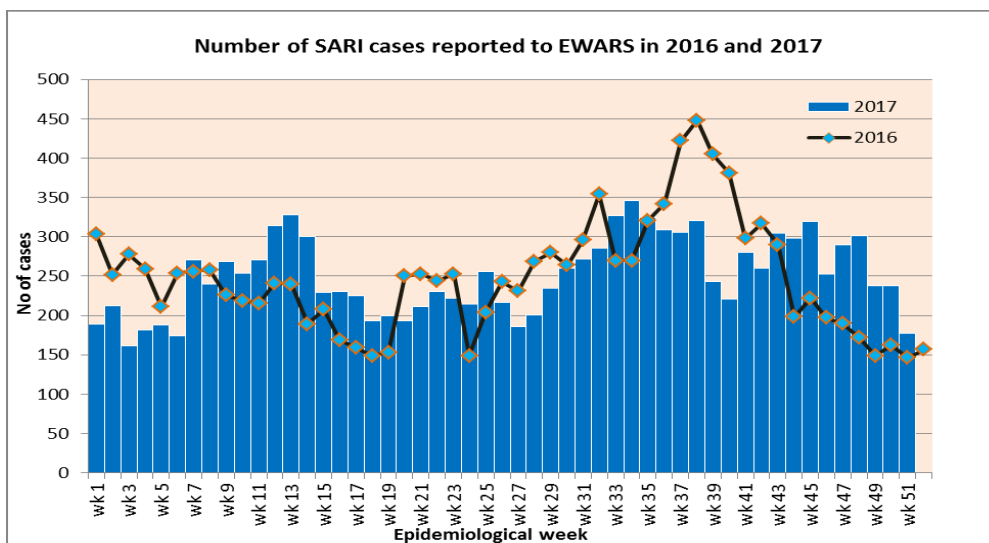


1.2 Severe Acute Respiratory Infection (SARI)

177 cases of SARI are reported in 51st epidemiological week of 2017. The cases of SARI reported this week exceed the number reported in the same week last year (146 cases). Among 177 cases, the majority of cases are from

Rupandehi (24 cases), Morang (23 cases), Sunsari (13 cases), Jhapa (12 cases), Palpa (10 cases), Syangja (9 cases), Kanchanpur (6 cases), Kapilbastu (6 cases) and Arghakhanchi (6 cases) district.

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



1.3 Enteric Fever

21 cases of Enteric fever are reported this week, including 5 from Kaski, 3 from Tanahun , 3 from Lamjung, 2 from Dang, 2 from Sindhuli and one each from Banke, Gulmi, Illam, Kathmandu and Parbat 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

Nine cases of Dengue are reported this week, 6 from Lumbini Zonal Hospital, Rupandehi and one each from Mechi Zonal Hospital, Jhapa, Sukraraj tropical and Infectious Disease Hospital, Teku and Mahakali Zonal Hospital, Kanchanpur. The cases are from Rupandehi, Chitwan, Jhapa and Kanchanpur district.

1.6 Kala-azar

No case of Kala-azar is reported this week. Two hundred twelve cases of Kala-azar are reported so far this year. 150 cases of Kala-azar were reported through EWARS in 2016.

1.7 Scrub Typhus

One case of Scrub typhus is reported this week from Sukraraj Tropical and Infectious Disease Hospital, Teku and the case is from Banke district. 451 cases of Scrub Typhus are reported so far this year.

Timeliness & completeness of reporting from sentinel sites:

| Site 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 | No reporting | 92 |
| 104 | BPKIHS, Dharan | No Reporting | 94 | 138 | DH, Solukhumbu | On Time | 52 |
| 105 | DH, Dhankuta | On Time | 100 | 139 | DH, Dolpa | No Reporting | 0 |
| 106 | SZH, Saptari | No Reporting | 30 | 140 | DH, Humla | No Reporting | 0 |
| 107 | RKUP Lahan, Siraha | No Reporting | 98 | 201 | L. Comm DH, Lamjung | On Time | 100 |
| 108 | DH, Siraha | No Reporting | 98 | 202 | DH, Dhading | No Reporting | 30 |
| 109 | JZH, Dhanusha | On Time | 100 | 203 | DH, Ramechhap | On Time | 100 |
| 110 | DH, Rautahat | No Reporting | 96 | 204 | Bhaktapur Hospital | No reporting | 15 |
| 111 | DH, Bara | On Time | 100 | 205 | Patan Hospital, Lalitpur | No Reporting | 96 |
| 112 | NSRH, Parsa | No Reporting | 92 | 206 | DH, Gorkha | No Reporting | 98 |
| 113 | DH, Makawanpur | On Time | 100 | 207 | DH Trishuli, Nuwakot | No Reporting | 0 |
| 114 | NZH, Chitwan | No Reporting | 98 | 208 | Charikot PHCC, Dolakha | On Time | 100 |
| 115 | Kanti CH, Kathmandu | On Time | 100 | 209 | Jiri H, Dolakha | On Time | 98 |
| 116 | STH, Kathmandu | On Time | 100 | 210 | DH, Syangja | On Time | 98 |
| 117 | UMH, Palpa | On Time | 100 | 211 | DH, Tanahun | No Reporting | 76 |
| 118 | PCH, Nawalparasi | On Time | 100 | 212 | WRH, Kaski | On Time | 100 |
| 119 | PBH, Kapilbastu | On Time | 100 | 214 | DH, Gulmi | No Reporting | 96 |
| 120 | LZH, Rupandehi | On Time | 100 | 215 | DZH, Baglung | On Time | 100 |
| 121 | RSRH Dang | On Time | 100 | 218 | DH, Manang | No Reporting | 38 |
| 122 | MWRH, Surkhet | On Time | 100 | 219 | DH, Mustang | On Time | 86 |
| 123 | BZH, Banke | No reporting | 50 | 220 | DH, Pyuthan | On Time | 96 |
| 124 | SZH, Kailali | No Reporting | 28 | 221 | DH, Rolpa | No Reporting | 10 |
| 125 | MZH, Kanchanpur | On Time | 100 | 229 | DH, Achham | No Reporting | 96 |
| 126 | DH, Doti | On Time | 97 | 230 | DH, Baitadi | No Reporting | 74 |
| 127 | DH, Bardiya | On Time | 100 | 235 | DH, Panchthar | No Reporting | 94 |
| 128 | DH, Mahottari | No Reporting | 22 | 237 | DH, Bhojpur | No Reporting | 16 |
| 129 | DH, Dadeldhura | No Reporting | 0 | 238 | DH, Khotang | On Time | 60 |
| 130 | DH, Rasuwa | No Reporting | 38 | 240 | DH, Udayapur | No Reporting | 0 |
| 131 | DH, Sankhuwasabha | On Time | 90 | 301 | Bayalpata Hosp., Achham | On Time | 100 |
| 132 | AMDA Hosp., Jhapa | On Time | 100 | | | | |
| 133 | DH, Chautara | On Time | 100 | | | Excellent (>80) | |
| 134 | DH, Sarlahi | On Time | 100 | | | 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 EDCCD's official website www.edcd.gov.np. This bulletin is also available at the website.