

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(22nd Epidemiological Week)

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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.

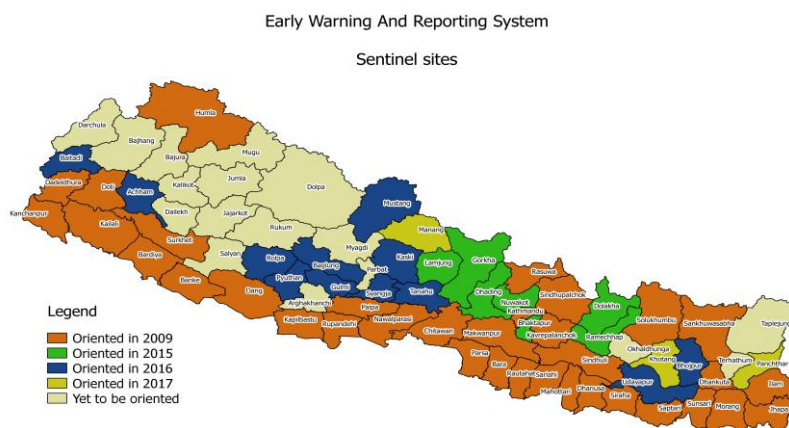
Section 1: The Early Warning and Reporting System (EWARS)

Highlights

- **Kala-azar:** Three cases of Kala-azar are reported this week, two from BPKIHS, Dharan and one from Mechi Zonal Hospital, Jhapa. The cases are from Saptari, Dailekh and Jhapa district respectively.
- **Malaria:** Three cases of Malaria (*Plasmodium Vivax*) are reported this week, one each from BPKIHS Dharan and Seti Zonal Hospital, Kailali and Charikot PHC, Dolakha. The cases are from Saptari, Kanchanpur and Dolakha district respectively.
- **Dengue:** No case of Dengue is reported this week.
- **Scrub Typhus:** One case of Scrub Typhus is reported this week from United Mission Hospital, Palpa and the case is from Baganaskali Rural Municipality of Palpa district.
- **SARI:** One death from SARI is reported this week from United Mission Hospital, Palpa and the deceased was from Baganaskali Rural Municipality of Palpa district.

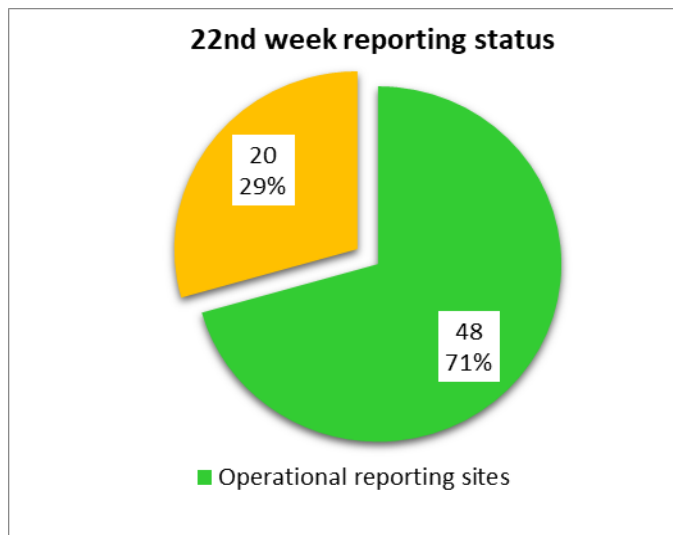
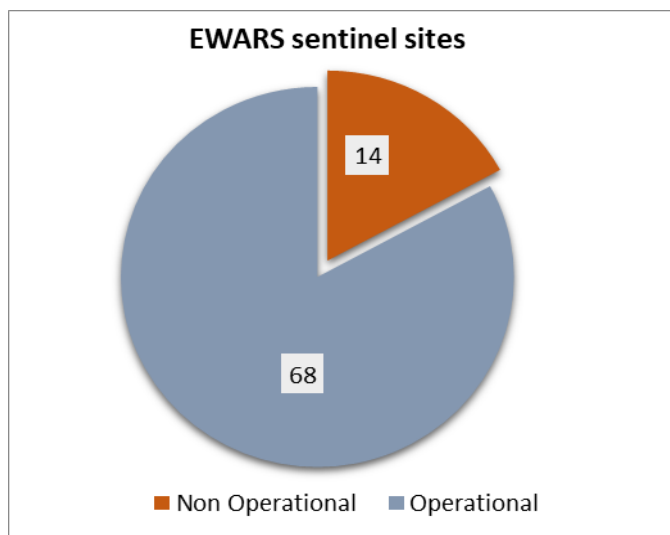
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs) 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 68 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

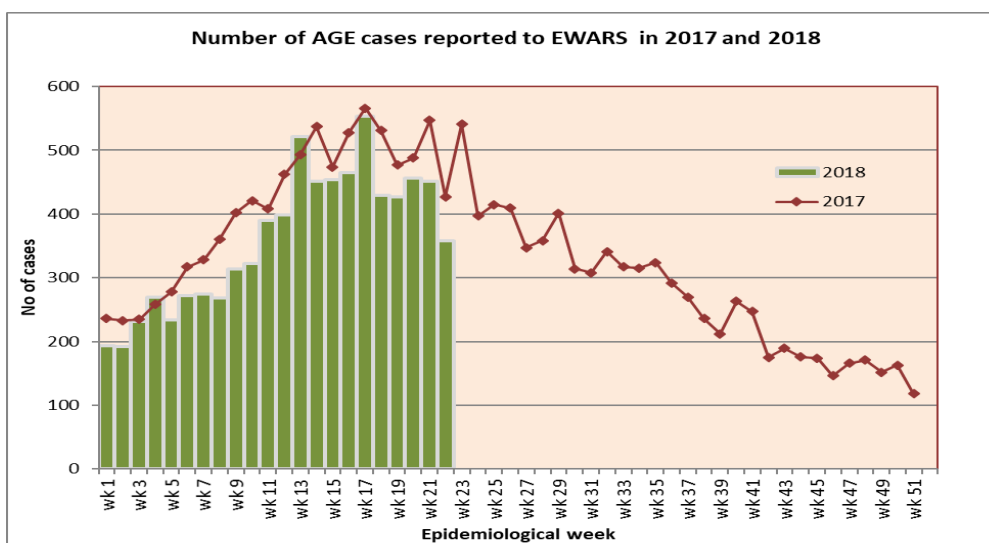
Out of 68 functional EWARS sentinel sites, report was received from 48 sentinel sites (71 percent) whereas 20 sentinel sites did not report in 22nd Epidemiological week of 2018. The reporting coverage is increased as compared to previous week.



1.1 Acute Gastro-Enteritis and Cholera

358 cases of AGE are reported in 22nd epidemiological week of 2018. Among 358 cases, the majority of cases are from Parsa (39 cases), Kanchanpur (32 cases), Dolakha (31 cases), Achham (24 cases), Bara (23 cases), Dhanusha (22 cases), Kailali (17 cases), Lamjung (16 cases), Jhapa (13 cases), Kapilbastu (12 cases) and Kathmandu (10 cases) district. The number of AGE cases reported in 22nd week this year did not exceed the number of AGE cases reported in the same week last year (427 cases).

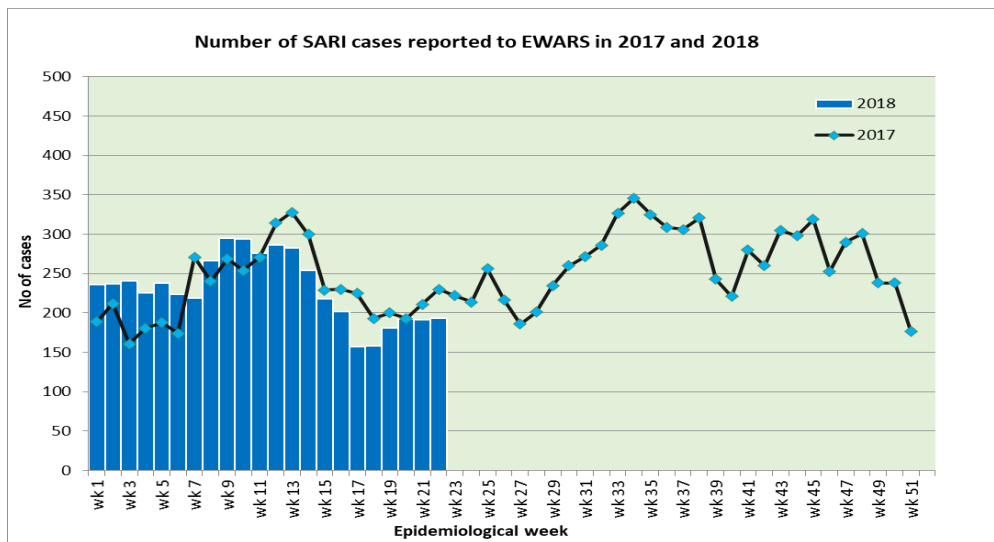
No death from AGE is reported this week. Four deaths from AGE are reported so far this year. Twenty deaths from AGE were reported in 2017.



1.2 Severe Acute Respiratory Infection (SARI)

193 cases of SARI are reported in 22nd epidemiological week of 2018. The cases of SARI reported this week did not exceed the number reported in the same week last year (230 cases). Among 193 reported cases, the majority of cases are from Morang (28 cases), Lalitpur (20 cases), Jhapa (16 cases), Panchthar (14 cases), Palpa (11 cases), Kailali (9 cases), Kathmandu (8 cases), Kanchanpur (7 cases), Bhojpur (6 cases), and Dhading (6 cases) district.

One death from SARI is reported this week from United Mission Hospital, Palpa and the deceased was from Baganaskali Rural Municipality of Palpa district. 26 deaths from SARI are reported so far this year. Eighty two deaths from SARI were reported in 2017.



1.3 Enteric Fever

22 cases of Enteric fever are reported this week including 9 from Kaski, 4 from Sindhuli, 4 from Kavre, 3 from Morang and 3 from Dolakha district. No death from Enteric fever is reported so far this year. Three deaths from Enteric Fever were reported in 2017.

1.4 Malaria

Three cases of Malaria (*Plasmodium Vivax*) are reported this week, one each from BPKIHS Dharan and Seti Zonal Hospital, Kailali and Charikot PHC, Dolakha. The cases are from Saptari, Kanchanpur and Dolakha district respectively.

Twenty six 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

Three cases of Kala-azar are reported this week, two from BPKIHS, Dharan and one from Mechi Zonal Hospital, Jhapa. The cases are from Saptari, Dailekh and Jhapa district respectively.

Seventy seven 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 United Mission Hospital, Palpa and the case is from Baganaskali Rural Municipality of Palpa district. Twenty two 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 | 136 | DH, Illam | On Time | 100 |
| 102 | Koshi ZH, Morang | On Time | 100 | 137 | Dhulikhel H., Kavre | On Time | 100 |
| 103 | DH, Sunsari | On Time | 100 | 138 | DH, Solukhumbu | On Time | 100 |
| 104 | BPKIHS, Dharan | On Time | 100 | 139 | DH, Dolpa | No Reporting | 0 |
| 105 | DH, Dhankuta | On Time | 100 | 140 | DH, Humla | No Reporting | 0 |
| 106 | SZH, Saptari | No Reporting | 0 | 201 | L. Comm DH, Lamjung | On Time | 100 |
| 107 | RKUP Lahan, Siraha | On Time | 100 | 202 | DH, Dhading | On Time | 68 |
| 108 | DH, Siraha | No Reporting | 20 | 203 | DH, Ramechhap | On Time | 100 |
| 109 | JZH, Dhanusha | On Time | 100 | 204 | Bhaktapur Hospital | No Reporting | 0 |
| 110 | DH, Rautahat | No Reporting | 20 | 205 | Patan Hospital, Lalitpur | On Time | 100 |
| 111 | DH, Bara | On Time | 100 | 206 | DH, Gorkha | No Reporting | 30 |
| 112 | NSRH, Parsa | On Time | 100 | 207 | DH Trishuli, Nuwakot | No Reporting | 0 |
| 113 | DH, Makawanpur | No Reporting | 90 | 208 | Charikot PHCC, Dolakha | On Time | 95 |
| 114 | Bharatpur Hospital, Chitwan | No Reporting | 95 | 209 | Jiri H, Dolakha | On Time | 100 |
| 115 | Kanti CH, Kathmandu | On Time | 100 | 210 | DH, Syangja | On Time | 55 |
| 116 | STIDH, Kathmandu | On Time | 100 | 211 | DH, Tanahun | No Reporting | 20 |
| 117 | UMH, Palpa | On Time | 100 | 212 | WRH, Kaski | On Time | 100 |
| 118 | PCH, Nawalparasi | No Reporting | 95 | 214 | DH, Gulmi | On Time | 72 |
| 119 | PBH, Kapilbastu | On Time | 100 | 215 | DZH, Baglung | On Time | 100 |
| 120 | LZH, Rupandehi | No Reporting | 95 | 216 | DH, Parbat | On Time | 30 |
| 121 | RSRH Dang | On Time | 100 | 218 | DH, Manang | On Time | 100 |
| 122 | MWRH, Surkhet | On Time | 100 | 219 | DH, Mustang | On Time | 30 |
| 123 | BZH, Banke | No Reporting | 20 | 220 | DH, Pyuthan | On Time | 100 |
| 124 | SZH, Kailali | On Time | 35 | 229 | DH, Achham | On Time | 100 |
| 125 | MZH, Kanchanpur | On Time | 100 | 230 | DH, Baitadi | No Reporting | 81 |
| 126 | DH, Doti | On Time | 100 | 231 | DH, Darchula | On Time | 30 |
| 127 | DH, Bardiya | On Time | 95 | 234 | DH, Taplejung | No Reporting | 50 |
| 128 | DH, Mahottari | No Reporting | 45 | 235 | DH, Panchthar | On Time | 100 |
| 129 | DH, Dadeldhura | No Reporting | 0 | 236 | DH, Terhathum | On Time | 100 |
| 130 | DH, Rasuwa | On Time | 100 | 237 | DH, Bhojpur | On Time | 100 |
| 131 | DH, Sankhuwasabha | No Reporting | 30 | 238 | DH, Khotang | No Reporting | 75 |
| 132 | AMDA Hosp., Jhapa | On Time | 100 | 301 | Bayalpata Hosp., Achham | On Time | 100 |
| 133 | DH, Chautara | On Time | 100 | 302 | Tikapur Hospital, Kailali | On Time | 30 |
| 134 | DH, Sarlahi | On Time | 100 | | | | |
| 135 | DH, Sindhuli | 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 . This bulletin is also available at the website.