

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(14th Epidemiological Week)

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This bulletin includes the updates from the Early Warning and Reporting System (EWARS). It includes data since January 2019 till date, including comparison of same period during last year.

The Early Warning and Reporting System (EWARS)

Highlights

AGE: 256 cases of AGE are reported this week. The majority of these cases are from Saptari (32 cases), Kailali (26 cases), Kanchanpur (21), and Achham (18 cases).

SARI: 186 cases of SARI are reported this week. The majority of these cases are from Morang (29 cases), Lalitpur (15 cases), Kailali (12 cases), Kathmandu (11 cases) and Dhading (10 cases).

Malaria: One case of Malaria is reported this week by PCH Nawalparasi and the case was from Nawalparasi.

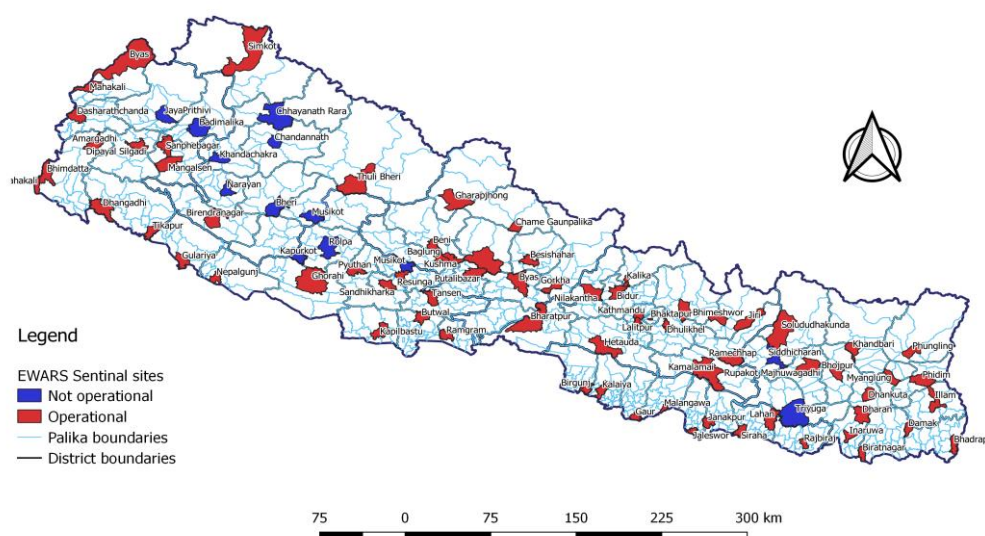
Kala-azar: One case of Kala-azar is reported this week from Makwanpur.

Dengue: One case of Dengue is reported this week from Nawalparasi.

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.

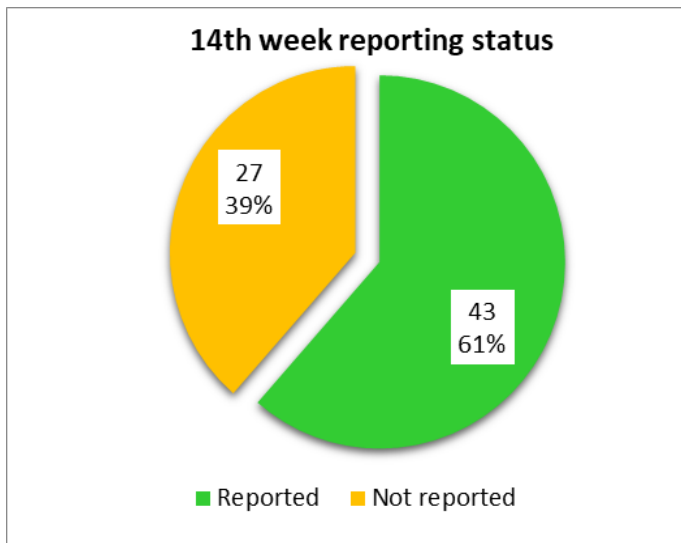
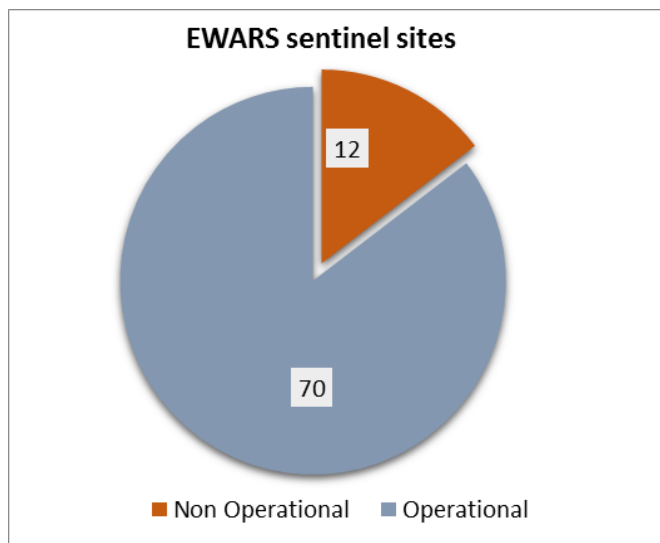
This information system is hospital-based and is currently operational in 69 hospitals (out of 82 sites) throughout Nepal (Figure 1). So far, the EWARS mainly focuses on the **weekly reporting** of number of cases and deaths (including "zero" reports) of six priority diseases/syndromes—Malaria, Kala-azar, 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.

EWARS Sentinel Sites



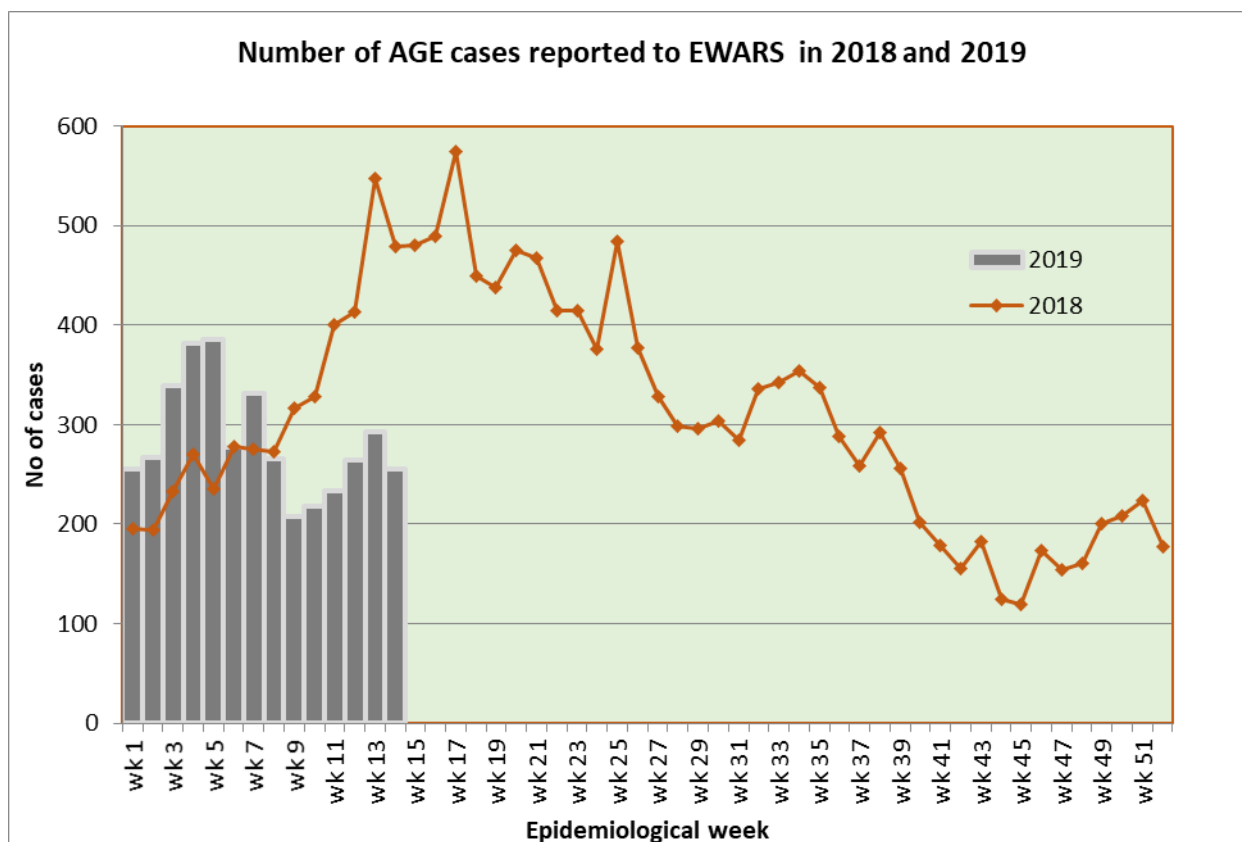
Reporting Status

Out of 70 functional EWARS sentinel sites, report was received from 43 sentinel sites (61%) whereas 27 sentinel sites did not report in the 14th epidemiological week of 2019. The reporting coverage has slightly increased compared to the last week.



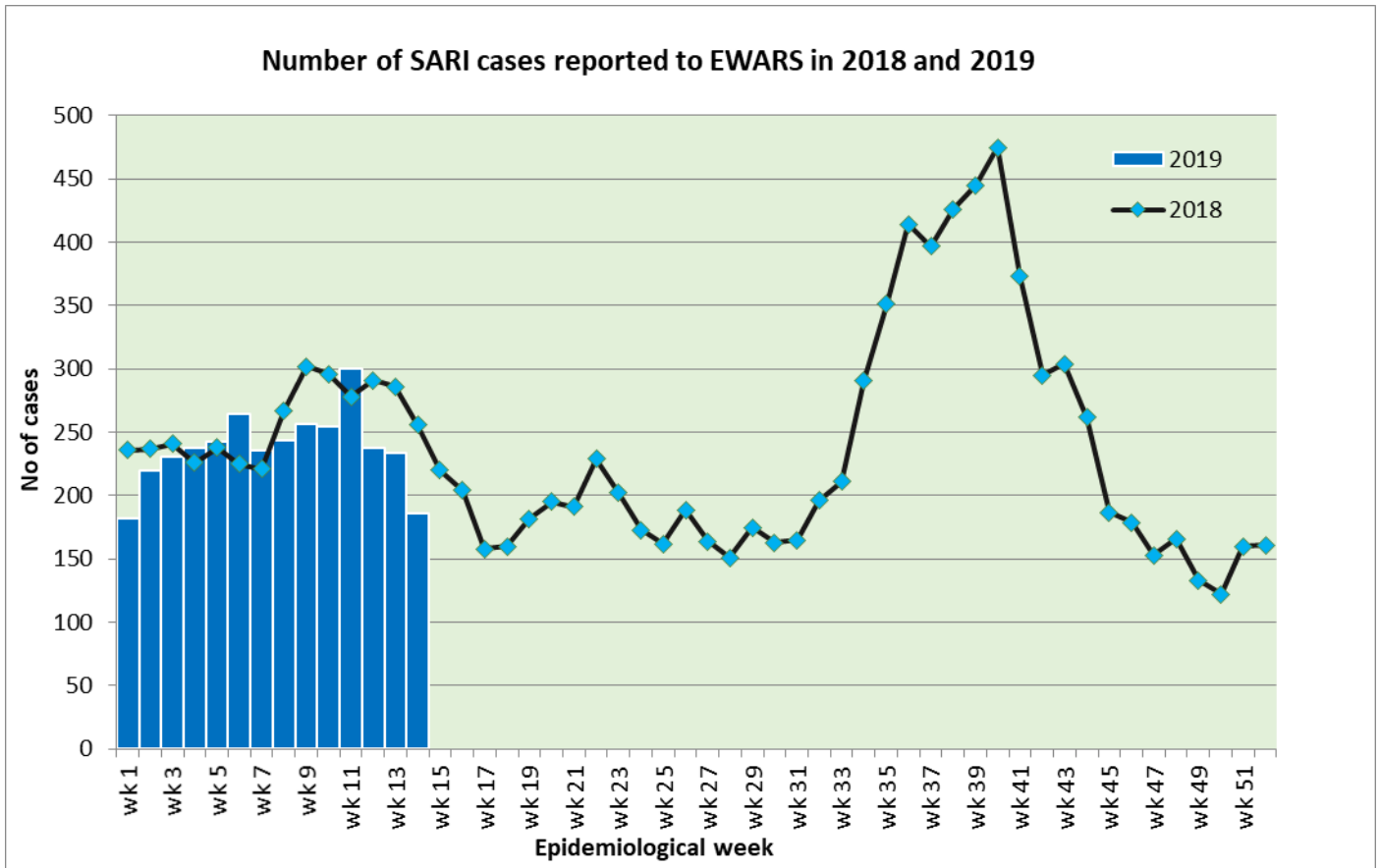
1.1 Acute Gastro-Enteritis and Cholera

256 cases of AGE are reported in the 14th epidemiological week this year. The majority of these cases are from Saptari (32 cases), Kailali (26 cases), Kanchanpur (21), and Achham (18 cases). 479 cases of AGE were reported this week in 2018.



1.2 Severe Acute Respiratory Infection (SARI)

186 cases of SARI are reported in the 14th epidemiological week this year. The majority of these cases are from Morang (29 cases), Lalitpur (15 cases), Kailali (12 cases), Kathmandu (11 cases) and Dhading (10 cases). 256 cases of SARI were reported this week in 2018.



1.3 Enteric Fever

43 cases of Enteric fever are reported this week. The majority of the cases are from Saptari (7 cases), Dang (5 cases), Lalitpur (5 cases) and Dhading (3 cases).

1.4 Malaria

One case of Malaria is reported this week by PCH Nawalparasi and the case was from Nawalparasi. One case of Malaria was reported this week in 2018.

1.5 Dengue

One case of Dengue is reported this week from Nawalparasi. No case of Dengue was reported this week in 2018.

1.6 Kala-azar

One case of Kala-azar is reported this week from Makwanpur. Four cases of Kala-azar were reported this week in 2018.

1.7 Scrub typhus

Two cases of Scrub typhus are reported this week, one each from Baitadi and Palpa.

Timeliness and 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 | No reporting | 93 | 137 | Dhulikhel H., Kavre | No reporting | 93 |
| 102 | Koshi ZH, Morang | On time | 100 | 138 | DH, Solukhumbu | No reporting | 29 |
| 103 | DH, Sunsari | On time | 100 | 139 | DH, Dolpa | No reporting | 0 |
| 104 | BPKIHS, Dharan | No reporting | 93 | 140 | DH, Humla | No reporting | 0 |
| 105 | DH, Dhankuta | On time | 100 | 201 | L. Comm DH, Lamjung | On time | 100 |
| 106 | SZH, Saptari | On time | 100 | 202 | DH, Dhading | On time | 100 |
| 107 | RKUP Lahan, Siraha | No reporting | 93 | 203 | DH, Ramechhap | On time | 100 |
| 108 | DH, Siraha | On time | 100 | 204 | Bhaktapur Hospital | On time | 100 |
| 109 | JZH, Dhanusha | No reporting | 14 | 205 | Patan Hospital, Lalitpur | On time | 100 |
| 110 | DH, Rautahat | No reporting | 7 | 206 | DH, Gorkha | No reporting | 0 |
| 111 | DH, Bara | On time | 100 | 207 | DH Trishuli, Nuwakot | No reporting | 0 |
| 112 | NSRH, Parsa | No reporting | 57 | 208 | Charikot PHCC, Dolakha | On time | 100 |
| 113 | DH, Makwanpur | No reporting | 50 | 209 | Jiri H, Dolakha | On time | 100 |
| 114 | Bharatpur Hospital, Chitwan | On time | 100 | 210 | DH, Syangja | On time | 100 |
| 115 | Kanti CH, Kathmandu | On time | 100 | 211 | DH, Tanahun | No reporting | 0 |
| 116 | STIDH, Kathmandu | On time | 100 | 212 | PAHS/WRH, Kaski | On time | 100 |
| 117 | UMH, Palpa | On time | 100 | 213 | DH, Myagdi | No reporting | 93 |
| 118 | PCH, Nawalparasi | On time | 100 | 214 | DH, Gulmi | On time | 100 |
| 119 | PBH, Kapilbastu | On time | 100 | 215 | DZH, Baglung | On time | 100 |
| 120 | LPH, Rupandehi | No reporting | 0 | 216 | DH, Parbat | No reporting | 36 |
| 121 | RSRH Dang | On time | 100 | 217 | DH, Arghakhanchi | On time | 100 |
| 122 | MWRH, Surkhet | On time | 100 | 218 | DH, Manang | No reporting | 0 |
| 123 | BZH, Banke | No reporting | 93 | 219 | DH, Mustang | On time | 14 |
| 124 | SZH, Kailali | On time | 100 | 220 | DH, Pyuthan | On time | 71 |
| 125 | MZH, Kanchanpur | On time | 100 | 222 | DH Rukum | No reporting | 93 |
| 126 | DH, Doti | On time | 100 | 229 | DH, Achham | No reporting | 93 |
| 127 | DH, Bardiya | On time | 100 | 230 | DH, Baitadi | No reporting | 86 |
| 128 | DH, Mahottari | No reporting | 0 | 231 | DH, Darchula | On time | 100 |
| 129 | DH, Dadeldhura | On time | 100 | 234 | DH, Taplejung | On time | 7 |
| 130 | DH, Rasuwa | On time | 100 | 235 | DH, Panchthar | No reporting | 7 |
| 131 | DH, Sankhuwasabha | No reporting | 0 | 236 | DH, Terhathum | On time | 7 |
| 132 | AMDA Hosp., Jhapa | On time | 100 | 237 | DH, Bhojpur | No reporting | 86 |
| 133 | DH, Chautara | On time | 100 | 238 | DH, Khotang | No reporting | 0 |
| 134 | DH, Sarlahi | No reporting | 21 | 301 | Bayalpata Hosp., Achham | On time | 100 |
| 135 | DH, Sindhuli | On time | 100 | 302 | Tikapur Hospital, Kailali | On time | 100 |
| 136 | DH, Illam | 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 technical 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.