

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(39th 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.

The Early Warning and Reporting System (EWARS)

Highlights

Dengue: Four cases of Dengue are reported this week, three from Lumbini Zonal Hospital, Rupandehi and one from District hospital, Myagdi

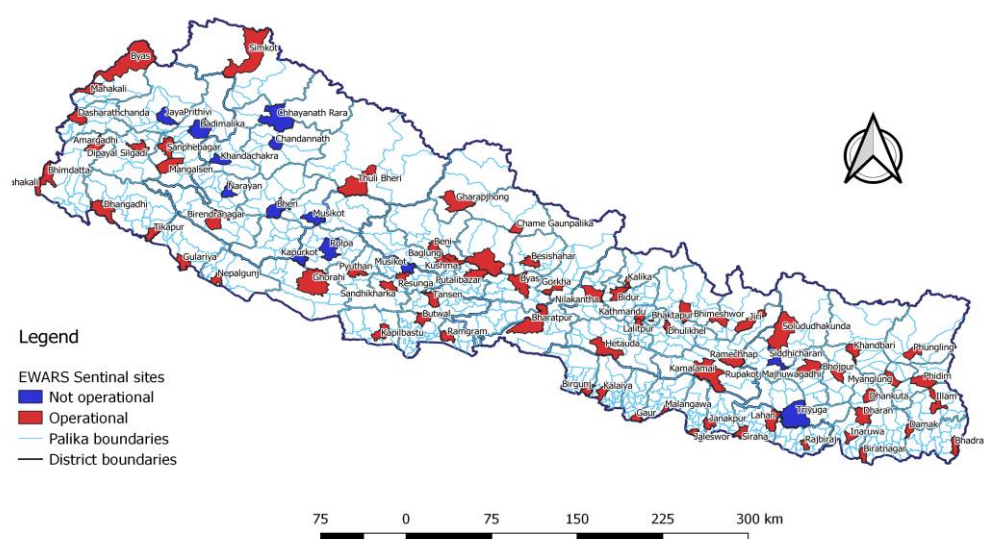
Scrub Typhus: Twelve cases of Scrub typhus are reported this week, of which four are from Kanti Children Hospital, Kathmandu, four from Lumbini Zonal Hospital, Rupandehi, two from Sukraraj Tropical and Infectious Disease Hospital, Kathmandu, one from District Hospital, Dhading and one from District Hospital Sankhuwasabha.

SARI: One death from SARI is reported this week from Seti Zonal Hospital, Kailali and the deceased was from Darchula 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.

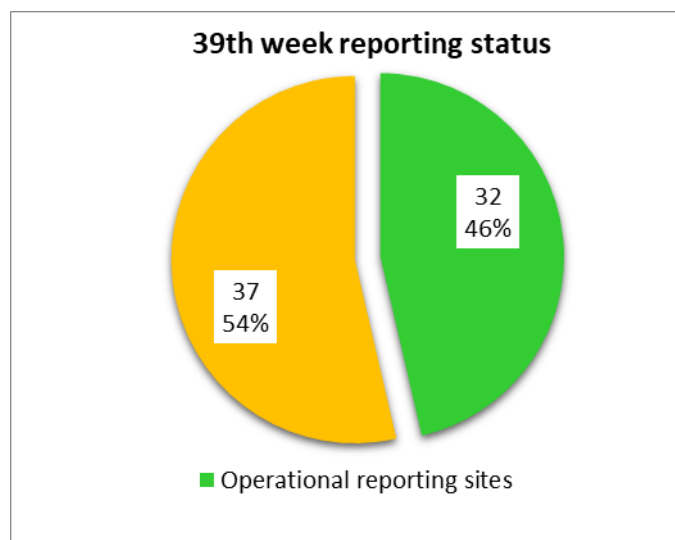
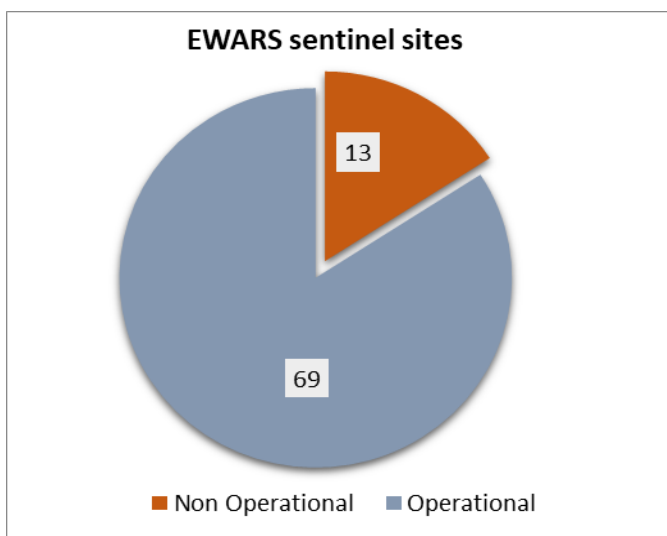
This information system is hospital-based and is currently operational in 69 hospitals (out of 82 sites) throughout Nepal (Figure 1). So far, the EWARS mainly focuses on the **weekly reporting** of number of cases and deaths (including "zero" reports) of six priority diseases/syndromes—Malaria, Kala-azar,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

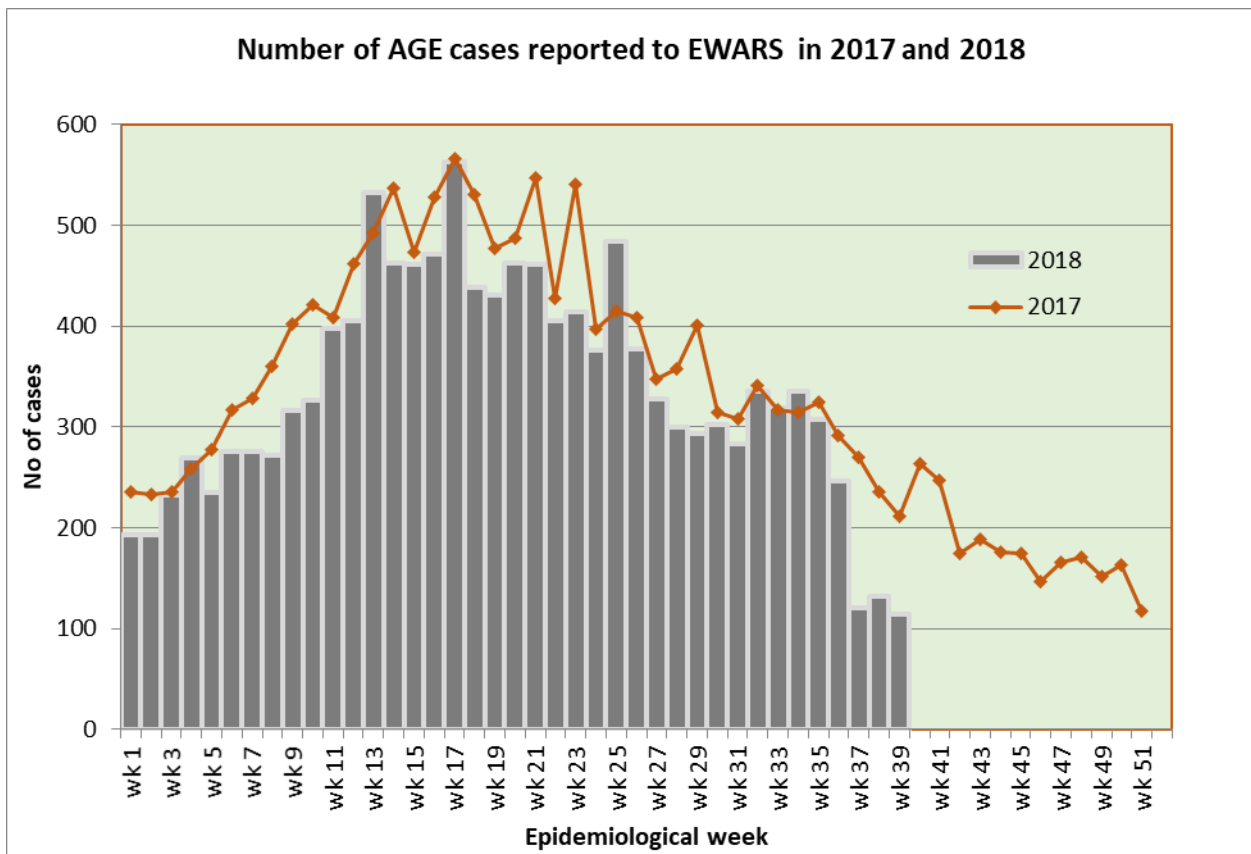
Out of 69 functional EWARS sentinel sites, report was received from 32 sentinel sites (46 percent) whereas 37 sentinel sites did not report in the 39th Epidemiological week of 2018. The reporting coverage is decreased as compared to previous week.



1.1 Acute Gastro-Enteritis and Cholera

124 cases of AGE are reported in the 39th epidemiological week of 2018. Among 124 cases, the majority of cases are from Kapilbastu (23 cases), Dolakha (13 cases), Kanchanpur (13 cases) and Achham (9 cases). The number of AGE cases reported in the 39th week this year did not exceed the number of AGE cases reported in the same week last year (212 cases).

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

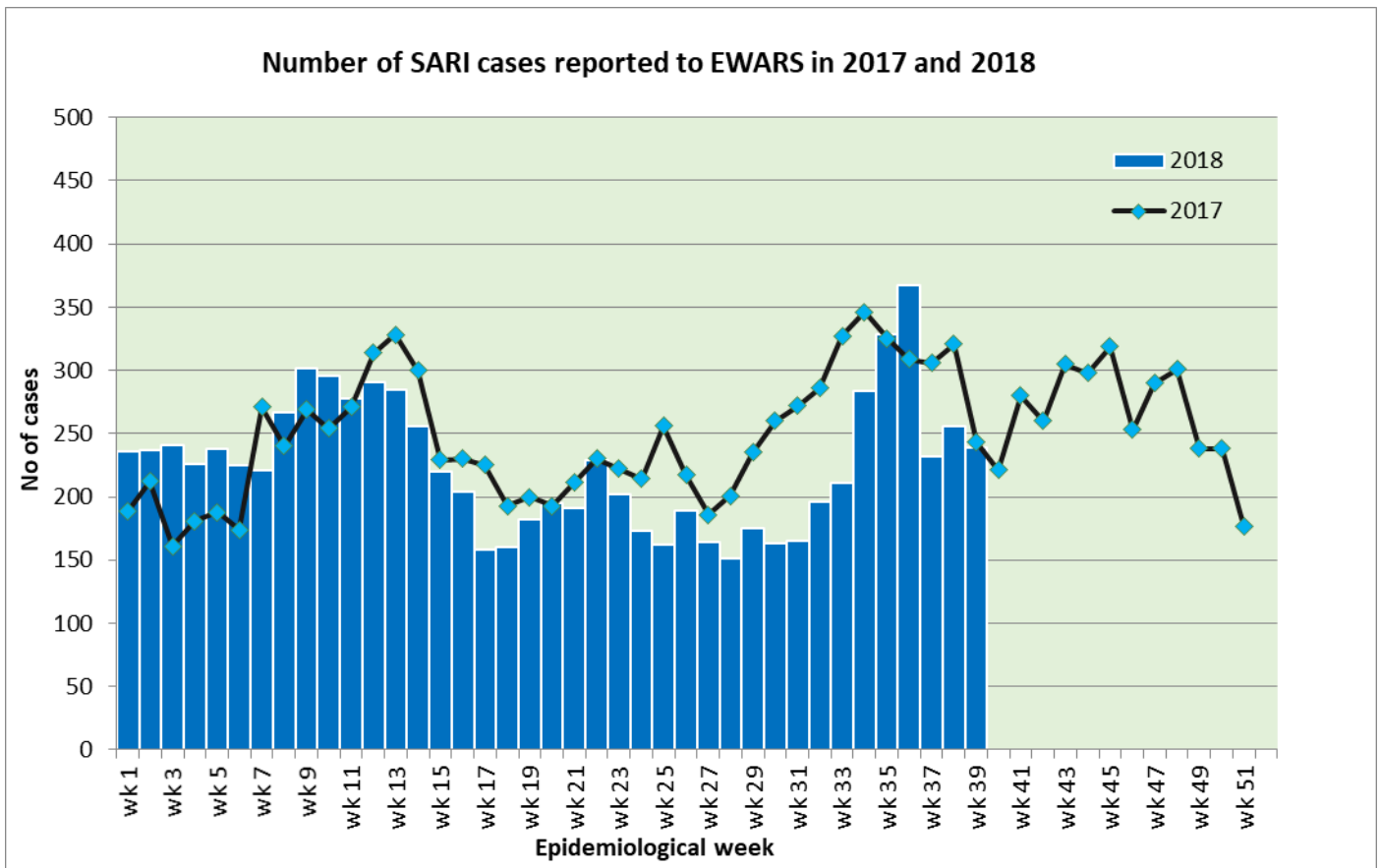


Cholera: A total of 3 cases of Cholera have been reported this year. The samples are confirmed positive by National Public Health Laboratory and the cases are from Nuwakot, Kathmandu and Lalitpur district.

1.2 Severe Acute Respiratory Infection (SARI)

239 cases of SARI are reported in the 39th epidemiological week of 2018. The cases of SARI reported this week are slightly lower than those reported in the same week last year (243 cases). Among 239 reported cases, the majority of cases are from Morang (50 cases), Kanchanpur (22 cases), Rupandehi (16 cases), Jhapa (14 cases) and Kailali (12 cases) district.

One death from SARI is reported this week from Seti Zonal Hospital, Kailali and the deceased was from Darchula district. Thirty-two deaths from SARI are reported so far this year. Eighty-two deaths from SARI were reported in 2017.



1.3 Enteric Fever

74 cases of Enteric fever are reported this week. The majority of these cases are from Dhading (38cases), Lamjung (10 cases) and Dhankuta (6 cases). No death from Enteric fever is reported so far this year. Three deaths from Enteric fever were reported in 2017.

1.4 Malaria

No case of Malaria is reported this week. The number of malaria cases reported this week in the previous year was 3.

1.5 Dengue

Four cases of Dengue are reported this week, three from Lumbini Zonal Hospital, Rupandehi and one from District hospital, Myagdi. The cases are from Rupandehi, Kapilbastu and Myagdi district. Eighty-five cases of Dengue including two deaths are reported so far this year. Twelve hundred and one cases of dengue were reported through EWARS in 2017. The number of dengue cases reported in the 39th week this year are less than those reported in the same week last year (21 cases).

1.6 Kala-azar

No case of Kala-azar is reported this week. One Hundred twenty-nine 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

Twelve cases of Scrub typhus are reported this week, of which four have been reported from Kanti Children Hospital, Kathmandu, four from Lumbini Zonal Hospital, Rupandehi, two from Sukraraj Tropical and Infectious Disease

Hospital, Kathmandu, one from District Hospital, Dhading and one from District Hospital Sankhuwasabha. The cases are from Rupandehi, Dhading, Dhanusha, Mahottari, Nuwakot, Sankhuwasabha and Sindhuli districts.

The number of Scrub typhus cases reported in the 39th week this year are less than those reported in the same week last year (23 cases). Three hundred eighty cases of Scrub typhus including one death are reported so far this year. Four hundred fifty-one cases of Scrub typhus were reported through EWARS in 2017.

Timeliness & completeness of reporting from sentinel sites:

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

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.