

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(49th Epidemiological Week)

16 December, 2018



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This bulletin includes the updates from the Early Warning and 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

Malaria: One case of Malaria is reported this week from Sunsari.

SARI: One death from SARI is reported this week from Palpa.

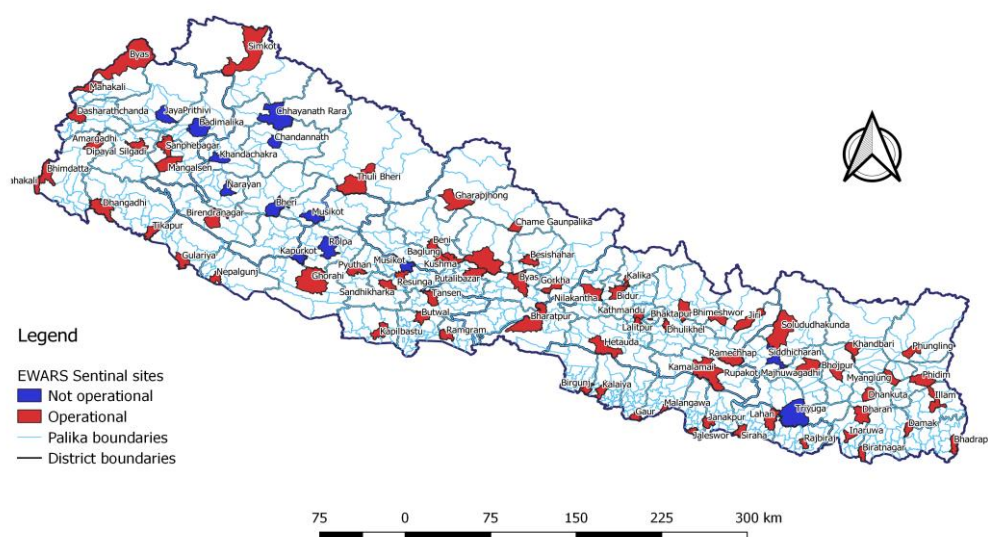
Dengue: Nine cases of Dengue are reported this week and the majority of these cases are from Sunsari (3 cases) and Kaski (1 case).

Scrub typhus: Three cases of Scrub typhus are reported this week (two from Lalitpur and one from Bardiya).

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.

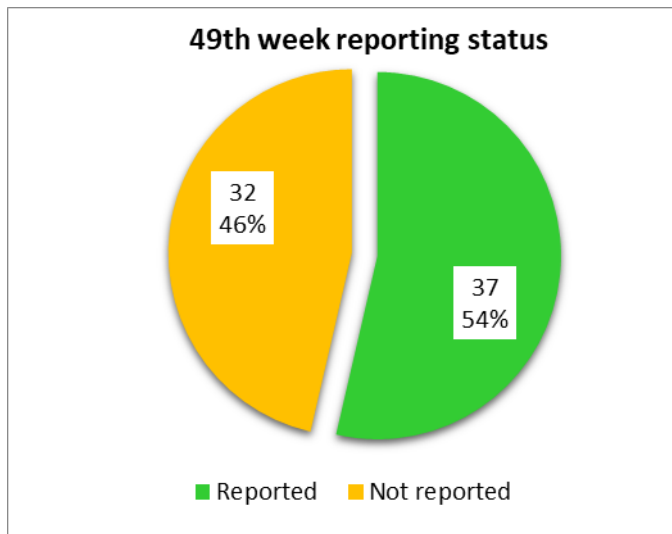
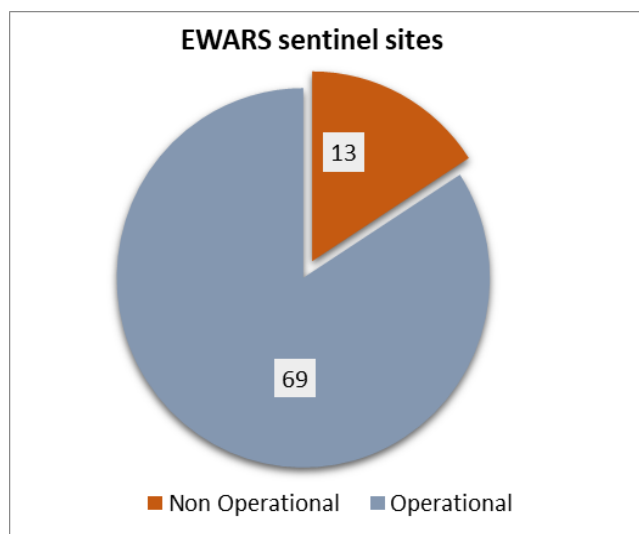
This information system is hospital-based and is currently operational in 69 hospitals (out of 82 sites) throughout Nepal (Figure 1). So far, the EWARS mainly focuses on the **weekly reporting** of number of cases and deaths (including "zero" reports) of six priority diseases/syndromes—Malaria, Kala-azar,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

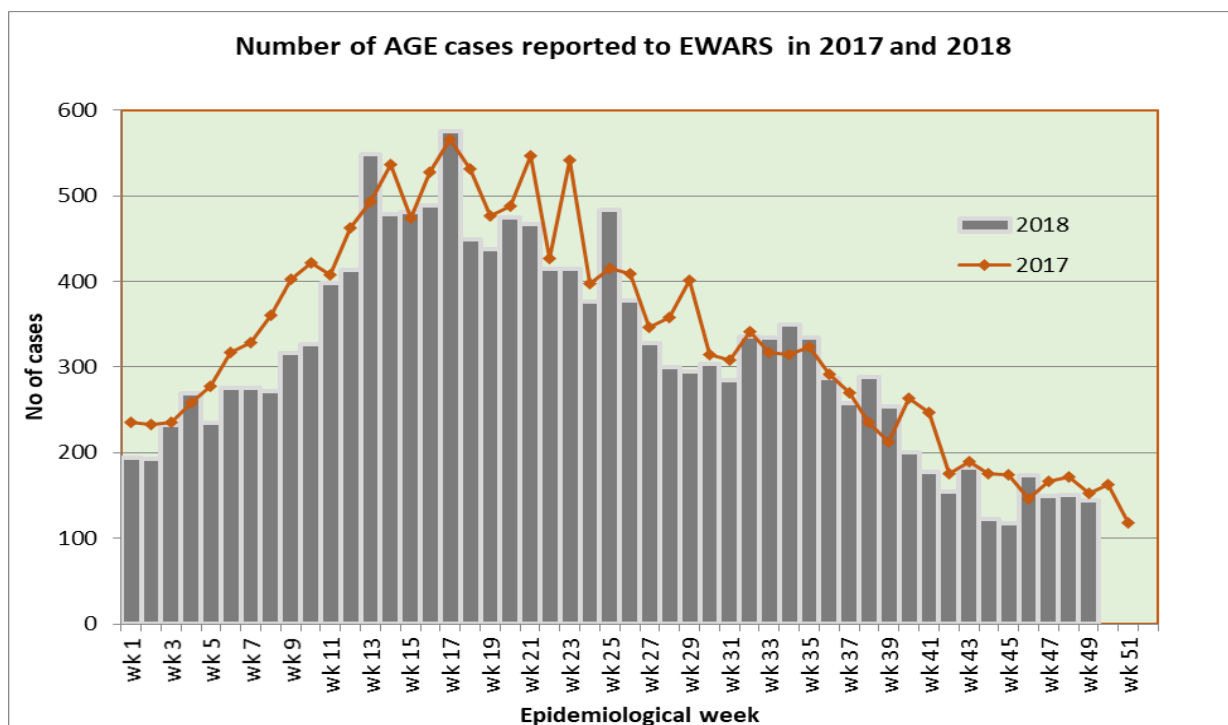
Out of 69 functional EWARS sentinel sites, report was received from 37 sentinel sites (54%) whereas 32 sentinel sites did not report in the 49th epidemiological week of 2018. The reporting coverage has slightly decreased compared to the last week.



1.1 Acute Gastro-Enteritis and Cholera

144 cases of AGE are reported in the 49th epidemiological week of 2018. The majority of these cases are from Dolakha (21 cases), Achham (11 cases) and Kathmandu (10 cases). The number of AGE cases reported in the 49th week this year are fewer than those reported in the same week last year (152 cases).

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

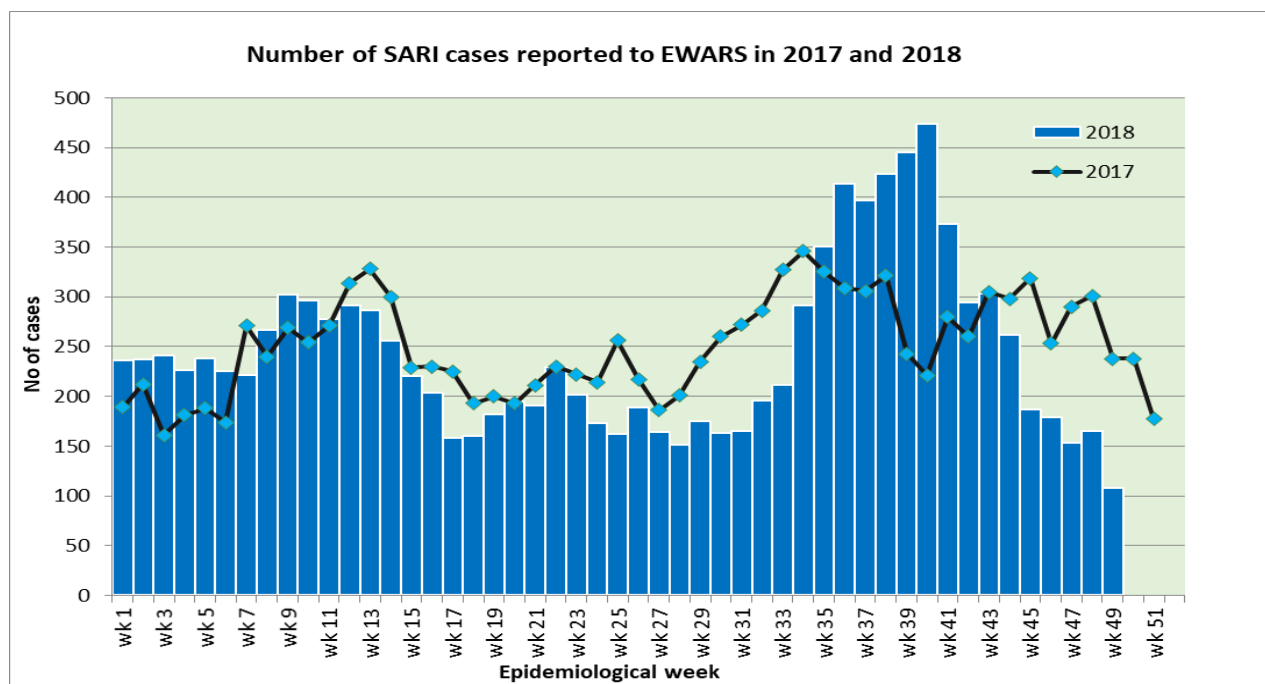


Cholera: A total of 3 cases of Cholera have been reported this year. The samples are confirmed positive by National Public Health Laboratory and the cases are from Nuwakot, Kathmandu and Lalitpur district.

1.2 Severe Acute Respiratory Infection (SARI)

108 cases of SARI are reported in the 49th epidemiological week this year. The majority of these cases are from Morang (13 cases), Saptari (10 cases) and Palpa (7 cases). The cases of SARI reported this week are fewer compared to those from the same week last year (238 cases).

One death from SARI is reported this week from Palpa. Forty-three deaths from SARI are reported so far this year. Eighty-two deaths from SARI were reported in 2017.



1.3 Enteric Fever

31 cases of Enteric fever are reported this week. The majority of the cases are from Lampung (5 cases), Dolakha (4 cases) and Sindhuli (3 cases). 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 is reported this week from Sunsari. Two cases of Malaria were reported this week in 2017.

1.5 Dengue

Nine cases of Dengue are reported this week and the majority of these cases are from Sunsari (3 cases) and Kaski (1 case).

Two hundred twenty-seven 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.

1.6 Kala-azar

One case of Kala-azar is reported this week from Bardiya. One hundred seventy-four 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

Three cases of Scrub typhus are reported this week (two from Lalitpur and one from Bardiya). Two cases of Scrub typhus were reported this week in 2017. Seven hundred fifty- seven cases of Scrub typhus including two deaths are reported so far this year. Four hundred fifty-one cases of Scrub typhus were reported through EWARS in 2017.

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	96	136	DH, Illam	On Time	98
102	Koshi ZH, Morang	On Time	100	137	Dhulikhel H., Kavre	No Reporting	92
103	DH, Sunsari	On Time	98	138	DH, Solukhumbu	On Time	82
104	BPKIHS, Dharan	On Time	98	139	DH, Dolpa	No Reporting	0
105	DH, Dhankuta	On Time	100	140	DH, Humla	No Reporting	0
106	SZH, Saptari	On Time	73	201	L. Comm DH, Lamjung	On Time	100
107	RKUP Lahan, Siraha	On Time	100	202	DH, Dhading	On Time	82
108	DH, Siraha	On Time	96	203	DH, Ramechhap	On Time	100
109	JZH, Dhanusha	No Reporting	94	204	Bhaktapur Hospital	No Reporting	22
110	DH, Rautahat	No Reporting	67	205	Patan Hospital, Lalitpur	On Time	100
111	DH, Bara	On Time	100	206	DH, Gorkha	No Reporting	92
112	NSRH, Parsa	No Reporting	92	207	DH Trishuli, Nuwakot	No Reporting	6
113	DH, Makwanpur	On Time	94	208	Charikot PHCC, Dolakha	On Time	100
114	Bharatpur Hospital, Chitwan	On Time	98	209	Jiri H, Dolakha	On Time	96
115	Kanti CH, Kathmandu	On Time	100	210	DH, Syangja	On Time	98
116	STIDH, Kathmandu	On Time	98	211	DH, Tanahun	No Reporting	73
117	UMH, Palpa	On Time	100	212	PAHS/WRH, Kaski	On Time	100
118	PCH, Nawalparasi	On Time	96	213	DH, Myagdi	No Reporting	93
119	PBH, Kapilbastu	On Time	86	214	DH, Gulmi	No Reporting	78
120	LZH, Rupandehi	No Reporting	96	215	DZH, Baglung	On Time	96
121	RSRH Dang	No Reporting	94	216	DH, Parbat	On Time	57
122	MWRH, Surkhet	No Reporting	96	217	DH, Arghakhanchi	On Time	65
123	BZH, Banke	On Time	80	218	DH, Manang	No Reporting	73
124	SZH, Kailali	On Time	65	219	DH, Mustang	No Reporting	43
125	MZH, Kanchanpur	On Time	100	220	DH, Pyuthan	No Reporting	53
126	DH, Doti	No Reporting	96	229	DH, Achham	No Reporting	92
127	DH, Bardiya	On Time	96	230	DH, Baitadi	No Reporting	80
128	DH, Mahottari	No Reporting	71	231	DH, Darchula	No Reporting	25
129	DH, Dadeldhura	No Reporting	0	234	DH, Taplejung	No Reporting	17
130	DH, Rasuwa	No Reporting	82	235	DH, Panchthar	No Reporting	92
131	DH, Sankhuwasabha	No Reporting	92	236	DH, Terhathum	No Reporting	17
132	AMDA Hosp., Jhapa	On Time	100	237	DH, Bhojpur	On Time	94
133	DH, Chautara	On Time	100	238	DH, Khotang	No Reporting	39
134	DH, Sarlahi	No Reporting	96	301	Bayalpata Hosp., Achham	On Time	100
135	DH, Sindhuli	On Time	98	302	Tikapur Hospital, Kailali	No Reporting	79
						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 EDCCD's official website www.edccd.gov.np. This bulletin is also available at the website.