

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(52nd Epidemiological Week)

6 January 2019



Government of Nepal
Ministry of Health and Population
Department of Health Services
Epidemiology and Disease Control Division
Kathmandu, Nepal
ewarsedcd@gmail.com

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

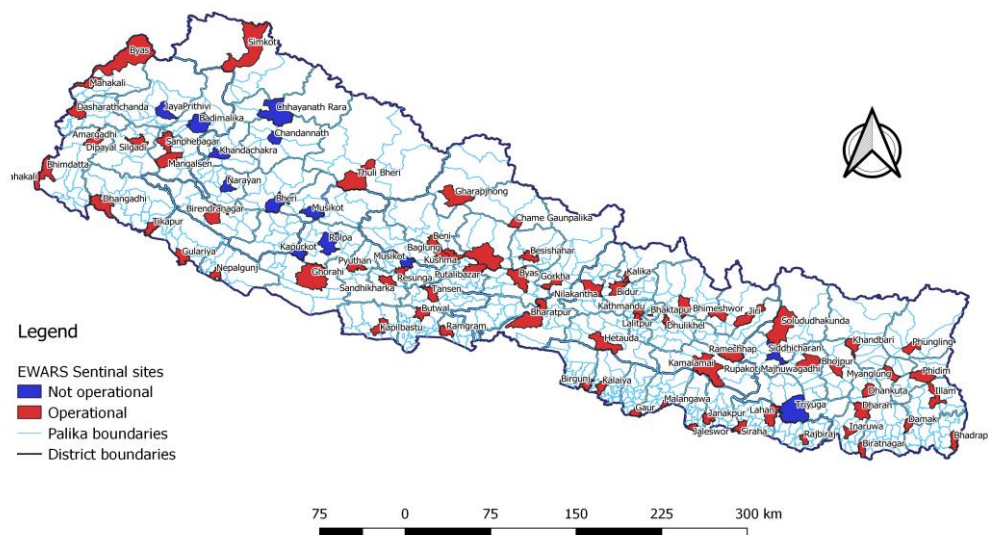
SARI: One death from SARI is reported this week from United Mission Hospital Palpa, and the deceased was from Ruru rural municipality, Gulmi.

Kala-azar: Four cases of Kala-azar are reported this week (two from Humla and one each from Arghakhanchi and Rukum).

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.

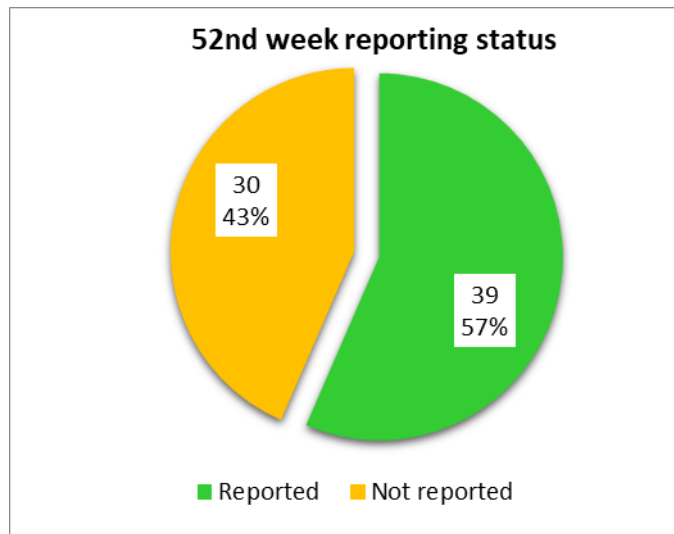
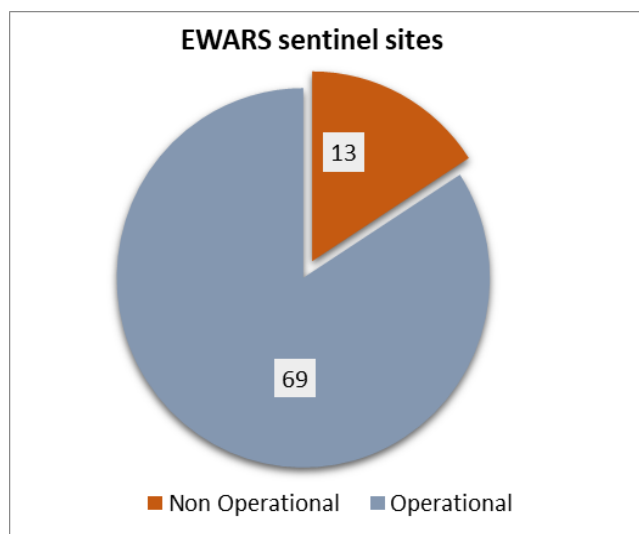
This information system is hospital-based and is currently operational in 69 hospitals (out of 82 sites) throughout Nepal (Figure 1). So far, the EWARS mainly focuses on the **weekly reporting** of number of cases and deaths (including "zero" reports) of six priority diseases/syndromes—Malaria, Kala-azar,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

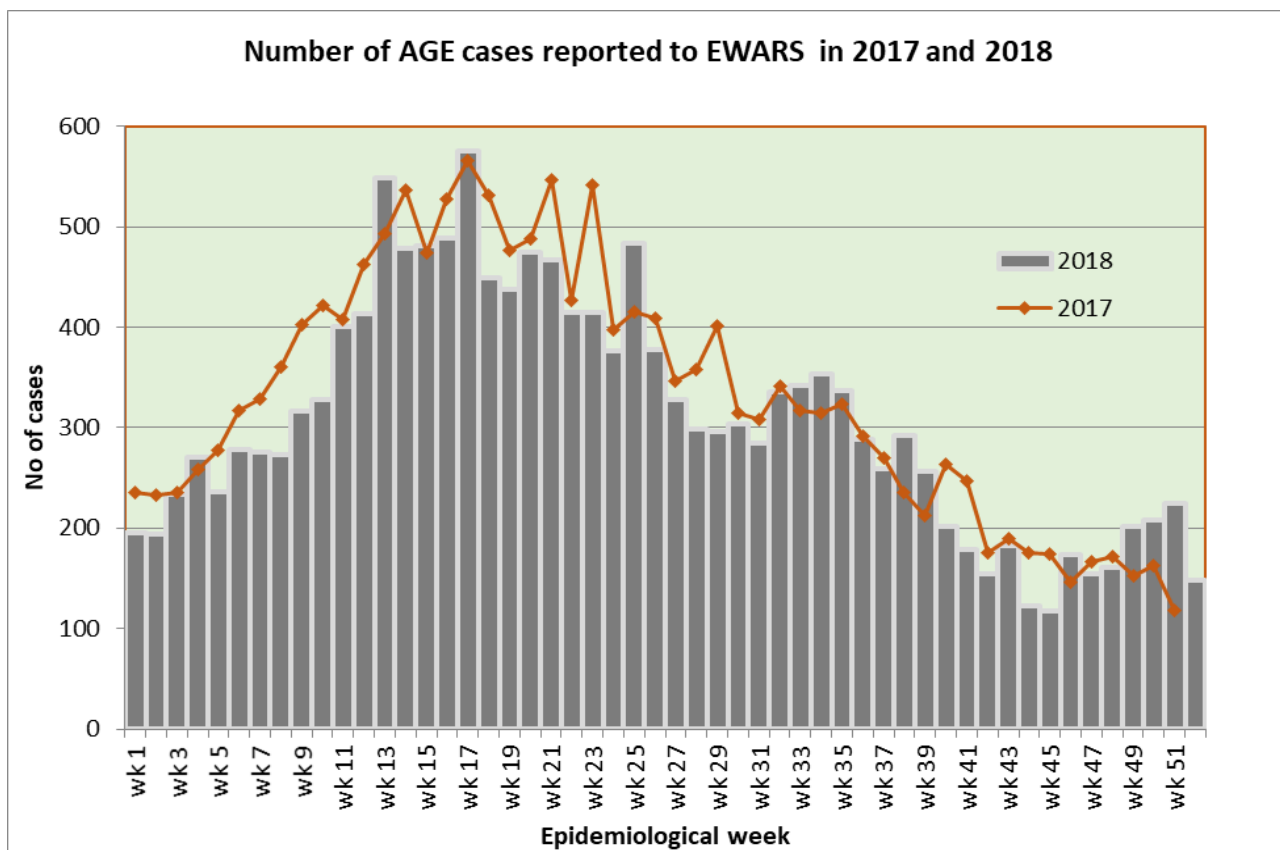
Out of 69 functional EWARS sentinel sites, report was received from 39 sentinel sites (57%) whereas 30 sentinel sites did not report in the 52nd epidemiological week of 2018. The reporting coverage has slightly decreased compared to the last week.



1.1 Acute Gastro-Enteritis and Cholera

148 cases of AGE are reported in the 52nd epidemiological week of 2018. The majority of these cases are from Saptari (13 cases), Kapilvastu (10 cases) and Achham (10 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.

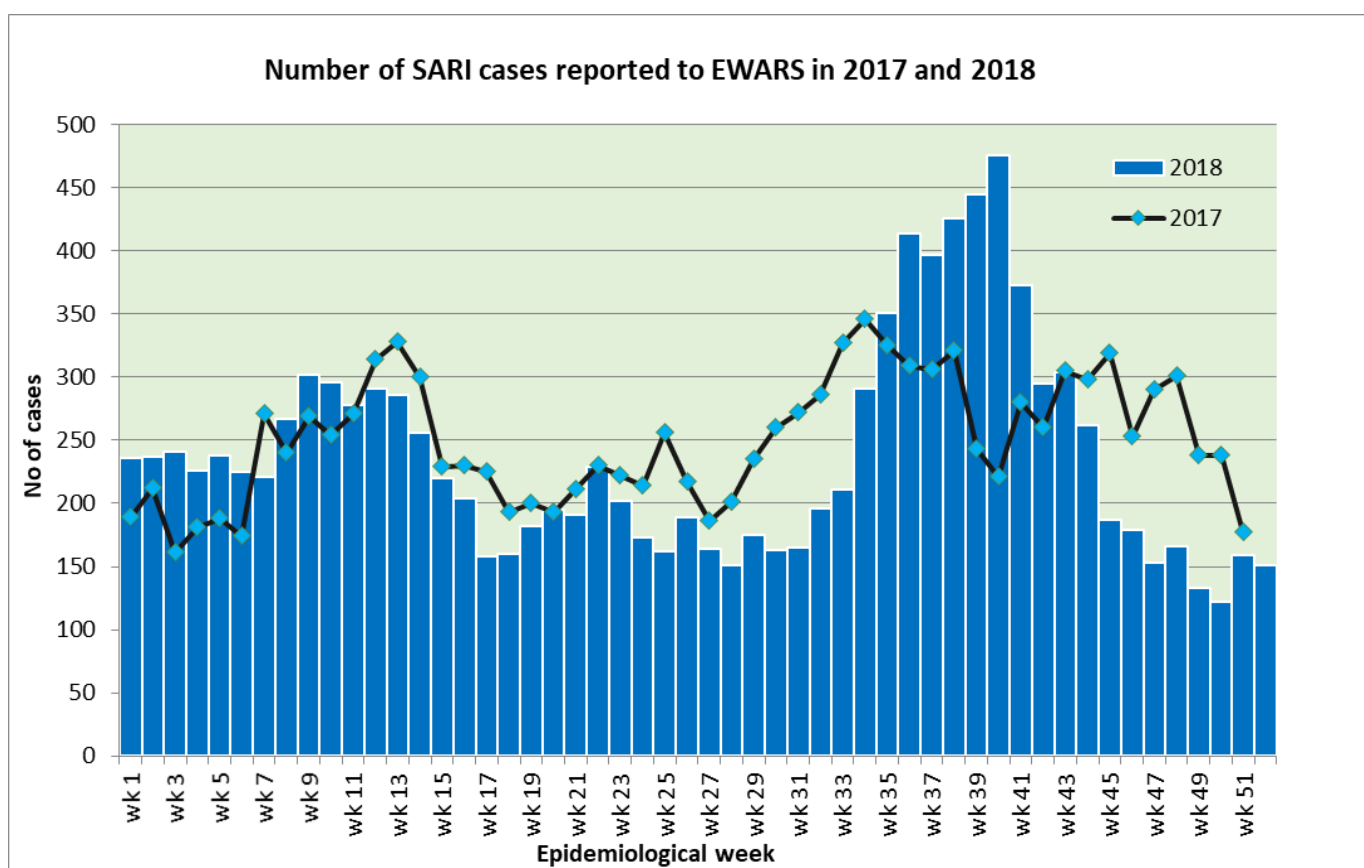


Cholera: A total of 3 cases of Cholera have been reported this year. The samples are confirmed positive by National Public Health Laboratory and the cases are from Nuwakot, Kathmandu and Lalitpur district.

1.2 Severe Acute Respiratory Infection (SARI)

151 cases of SARI are reported in the 52nd epidemiological week this year. The majority of these cases are from Morang (19 cases), Lalitpur (18 cases) and Jhapa (15 cases).

One death from SARI is reported this week from United Mission Hospital Palpa, and the deceased was from Ruru rural municipality, Gulmi. Forty-six deaths from SARI are reported so far this year. Eighty-two deaths from SARI were reported in 2017.



1.3 Enteric Fever

20 cases of Enteric fever are reported this week. The majority of the cases are from Lamjung (6 cases), Dolakha (3 cases) and Siraha (2 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.

1.5 Dengue

No case of Dengue is reported this week. Two hundred thirty 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

Four cases of Kala-azar are reported this week (two from Humla and one each from Arghakhanchi and Rukum). One hundred eighty- 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

No cases Scrub typhus is reported this week. Seven hundred seventy- six 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	On Time	100	136	DH, Illam	On Time	100
102	Koshi ZH, Morang	On Time	100	137	Dhulikhel H., Kavre	No reporting	81
103	DH, Sunsari	On Time	100	138	DH, Solukhumbu	No reporting	77
104	BPKIHS, Dharan	No reporting	98	139	DH, Dolpa	No reporting	0
105	DH, Dhankuta	On Time	100	140	DH, Humla	No reporting	0
106	SZH, Saptari	On Time	56	201	L. Comm DH, Lamjung	On Time	98
107	RKUP Lahan, Siraha	On Time	100	202	DH, Dhading	No reporting	83
108	DH, Siraha	On Time	92	203	DH, Ramechhap	On Time	100
109	JZH, Dhanusha	No reporting	96	204	Bhaktapur Hospital	On Time	40
110	DH, Rautahat	No reporting	6	205	Patan Hospital, Lalitpur	On Time	100
111	DH, Bara	On Time	100	206	DH, Gorkha	No reporting	23
112	NSRH, Parsa	No reporting	85	207	DH Trishuli, Nuwakot	No reporting	8
113	DH, Makwanpur	On Time	85	208	Charikot PHCC, Dolakha	On Time	98
114	Bharatpur Hospital, Chitwan	No reporting	96	209	Jiri H, Dolakha	No reporting	94
115	Kanti CH, Kathmandu	On Time	100	210	DH, Syangja	On Time	100
116	STIDH, Kathmandu	On Time	100	211	DH, Tanahun	No reporting	15
117	UMH, Palpa	On Time	100	212	PAHS/WRH, Kaski	On Time	100
118	PCH, Nawalparasi	On Time	100	213	DH, Myagdi	On Time	100
119	PBH, Kapilbastu	On Time	98	214	DH, Gulmi	No reporting	73
120	LZH, Rupandehi	No reporting	92	215	DZH, Baglung	On Time	100
121	RSRH Dang	No reporting	98	216	DH, Parbat	No reporting	87
122	MWRH, Surkhet	On Time	90	217	DH, Arghakhanchi	On Time	66
123	BZH, Banke	On Time	94	218	DH, Manang	No reporting	81
124	SZH, Kailali	On Time	67	219	DH, Mustang	On Time	37
125	MZH, Kanchanpur	On Time	100	220	DH, Pyuthan	No reporting	49
126	DH, Doti	On Time	65	229	DH, Achham	No reporting	73
127	DH, Bardiya	On Time	96	230	DH, Baitadi	No reporting	65
128	DH, Mahottari	No reporting	65	231	DH, Darchula	On Time	29
129	DH, Dadeldhura	No reporting	0	234	DH, Taplejung	No reporting	16
130	DH, Rasuwa	No reporting	71	235	DH, Panchthar	No reporting	52
131	DH, Sankhuwasabha	No reporting	35	236	DH, Terhathum	No reporting	16
132	AMDA Hosp., Jhapa	On Time	100	237	DH, Bhojpur	On Time	83
133	DH, Chautara	On Time	100	238	DH, Khotang	No reporting	15
134	DH, Sarlahi	On Time	100	301	Bayalpata Hosp., Achham	On Time	100
135	DH, Sindhuli	On Time	100	302	Tikapur Hospital, Kailali	No reporting	75
						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.