

Early Warning and Reporting System (EWARS)
Weekly Bulletin
(17th 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.

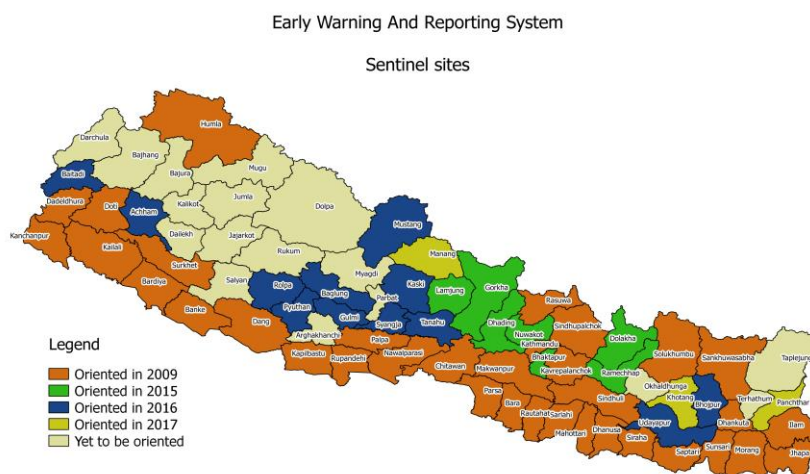
Section 1: The Early Warning and Reporting System (EWARS)

Highlights

- **Kala-azar:** One death from Kala-azar is reported this week from Kanti Children Hospital, Kathmandu and the deceased was from Bajura district. Similarly additional two cases of Kala-azar are reported, one each from Koshi Zonal Hospital, Morang and United Mission Hospital, Palpa. The cases are from Jahada Rural Municipality of Morang district and Baganaskali Rural Municipality of Palpa district respectively.
- **Malaria:** Two cases of Malaria (*Plasmodium Vivax*) are reported this week from Bayalpata Hospital, Achham and the cases are from Chaurpati Municipality and Bannigadhi Municipality of Achham district.
- **Scrub Typhus:** Three cases of Scrub Typhus are reported this week, one from Kanti Children Hospital, Kathmandu and two from United Mission Hospital, Palpa. The cases are from Jhapa and Gulmi district.
- **Dengue:** No case of Dengue is reported this week.

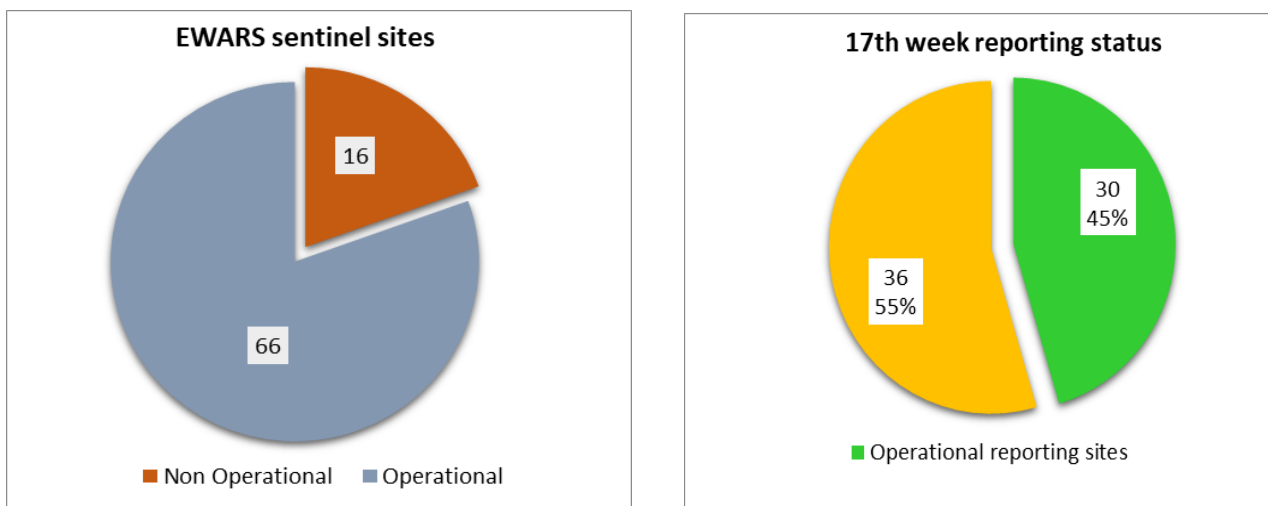
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs) 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 66 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

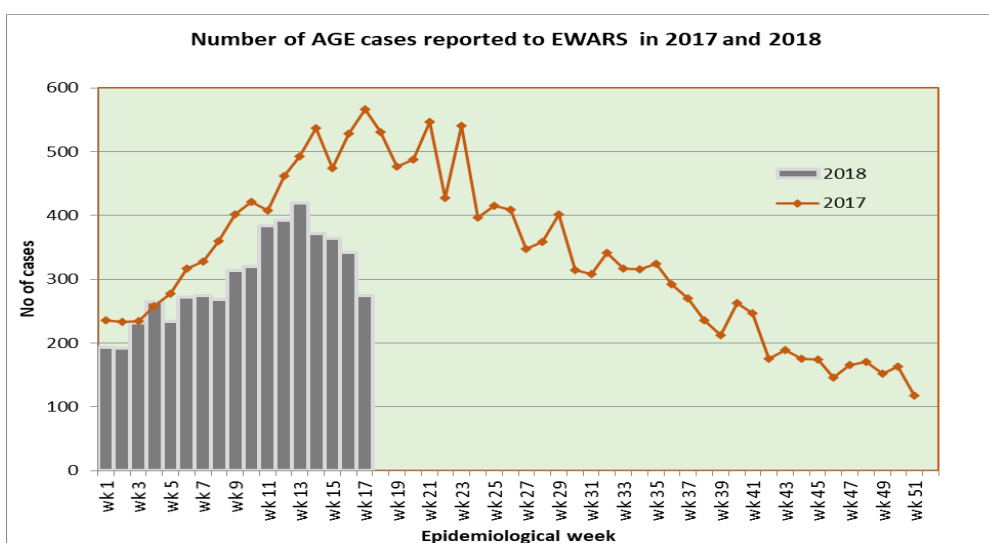
Out of 66 functional EWARS sentinel sites, report was received from 30 sentinel sites (45 percent) whereas 36 sentinel sites did not report in 17th Epidemiological week of 2018. The reporting coverage is decreased as compared to previous week.



1.1 Acute Gastro-Enteritis and Cholera

274 cases of AGE are reported in 17th epidemiological week of 2018. Among 274 cases, the majority of cases are from Dolakha (41 cases), Achham (40 cases), Dhanusha (30 cases), Bara (29 cases), Kathmandu (14 cases), Morang (12 cases), Nawalparasi (9 cases), Mahottari (8 cases), Siraha (8 cases), and Ilam (8 cases) district. The number of AGE cases reported in 17th week this year did not exceed the number of AGE cases reported in the same week last year (566 cases).

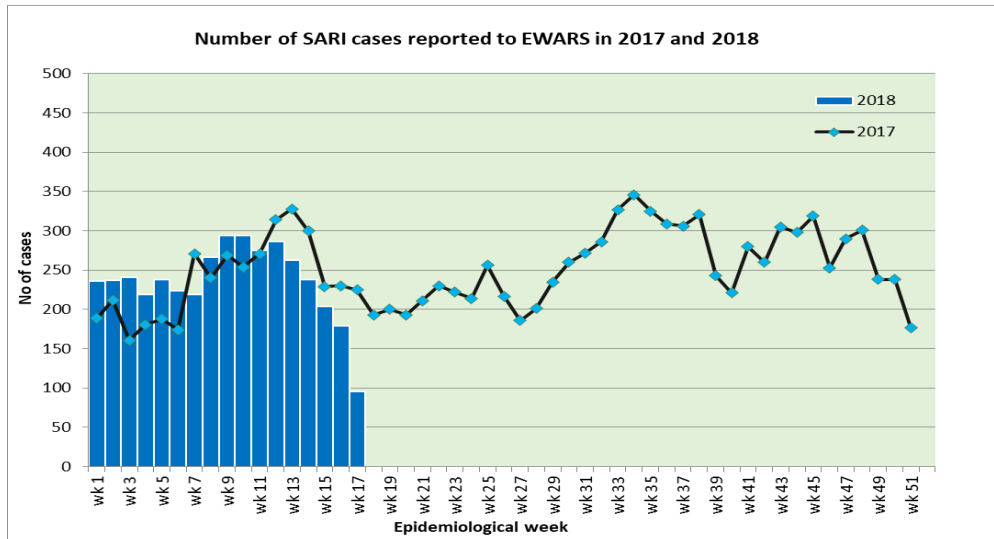
No death from AGE is reported this week. Four deaths from AGE are reported so far this year. Twenty deaths from AGE were reported in 2017.



1.2 Severe Acute Respiratory Infection (SARI)

96 cases of SARI are reported in 17th epidemiological week of 2018. The cases of SARI reported this week did not exceed the number reported in the same week last year (225 cases). Among 96 reported cases, the majority of cases are from Morang (18 cases), Lalitpur (13 cases), Sarlahi (7 cases), Bhojpur (6 cases), Kathmandu (5 cases), Makwanpur (4 cases), Sunsari (4 cases), Ilam (4 cases) and Dhankuta (3 cases) district.

No death from SARI is reported this week. 25 deaths from SARI are reported so far this year. Eighty two deaths from SARI were reported in 2017.



1.3 Enteric Fever

33 cases of Enteric fever are reported this week including 7 from Lamjung, 4 from Jhapa, 4 from Kaski and 3 each from Chitwan and Gulmi district. No death from Enteric fever is reported so far this year. Three deaths from Enteric Fever were reported in 2017.

1.4 Malaria

Two cases of Malaria (*Plasmodium Vivax*) are reported this week from Bayalpata Hospital, Achham and the cases are from Chaurpati Municipality and Bannigadhi Municipality of Achham district.

Thirteen 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. Ten 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

One death from Kala-azar is reported this week from Kanti Children Hospital, Kathmandu and the deceased was from Bajura district. Similarly additional two cases of Kala-azar are reported, one each from Koshi Zonal Hospital, Morang

and United Mission Hospital, Palpa. The cases are from Jahada Rural Municipality of Morang district and Baganskali Rural Municipality of Palpa district.

Fifty six 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, one from Kanti Children Hospital, Kathmandu and two from United Mission Hospital, Palpa. The cases are from Jhapa and Gulmi district. Nineteen 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:

Site Code	Sentinel Sites	Timeliness (This Week)	Completeness (%)	Site Code	Sentinel Sites	Timeliness (This Week)	Completeness (%)
101	Mechi ZH, Jhapa	No Reporting	88	135	DH, Sindhuli	No Reporting	94
102	Koshi ZH, Morang	On Time	100	136	DH, Illam	On Time	100
103	DH, Sunsari	No Reporting	94	137	Dhulikhel H., Kavre	No Reporting	94
104	BPKIHS, Dharan	No Reporting	94	138	DH, Solukhumbu	On Time	100
105	DH, Dhankuta	On Time	100	139	DH, Dolpa	No Reporting	0
106	SZH, Saptari	No Reporting	0	140	DH, Humla	No Reporting	0
107	RKUP Lahan, Siraha	On Time	100	201	L. Comm DH, Lamjung	On Time	100
108	DH, Siraha	No Reporting	20	202	DH, Dhading	No Reporting	40
109	JZH, Dhanusha	On Time	100	203	DH, Ramechhap	On Time	100
110	DH, Rautahat	No Reporting	20	204	Bhaktapur Hospital	No Reporting	0
111	DH, Bara	On Time	100	205	Patan Hospital, Lalitpur	On Time	100
112	NSRH, Parsa	No Reporting	94	206	DH, Gorkha	No Reporting	47
113	DH, Makawanpur	No Reporting	94	207	DH Trishuli, Nuwakot	No Reporting	0
114	Bharatpur Hospital, Chitwan	No Reporting	94	208	Charikot PHCC, Dolakha	On Time	100
115	Kanti CH, Kathmandu	On Time	100	209	Jiri H, Dolakha	On Time	100
116	STIDH, Kathmandu	On Time	100	210	DH, Syangja	No Reporting	0
117	UMH, Palpa	On Time	100	211	DH, Tanahun	No Reporting	35
118	PCH, Nawalparasi	On Time	100	212	WRH, Kaski	On Time	100
119	PBH, Kapilbastu	No Reporting	94	214	DH, Gulmi	No Reporting	82
120	LZH, Rupandehi	No Reporting	94	215	DZH, Baglung	On time	100
121	RSRH Dang	On Time	100	218	DH, Manang	On Time	100
122	MWRH, Surkhet	No Reporting	94	219	DH, Mustang	No Reporting	0
123	BZH, Banke	No Reporting	0	220	DH, Pyuthan	No Reporting	88
124	SZH, Kailali	No Reporting	0	221	DH, Rolpa	No Reporting	0
125	MZH, Kanchanpur	No Reporting	94	229	DH, Achham	On Time	90
126	DH, Doti	On Time	100	230	DH, Baitadi	No Reporting	52
127	DH, Bardiya	No Reporting	82	234	DH, Taplejung	No Reporting	76
128	DH, Mahottari	No Reporting	70	235	DH, Panchthar	On Time	100
129	DH, Dadeldhura	No Reporting	0	236	DH, Terhathum	On Time	100
130	DH, Rasuwa	On Time	94	237	DH, Bhojpur	On Time	100
131	DH, Sankhuwasabha	No Reporting	40	238	DH, Khotang	No Reporting	94
132	AMDA Hosp., Jhapa	On Time	100	240	DH, Udayapur	No Reporting	0
133	DH, Chautara	On Time	100	301	Bayalpata Hosp., Achham	On Time	100
134	DH, Sarlahi	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.