

**Early Warning and Reporting System (EWARS)**

# **Weekly Bulletin**

**(21<sup>st</sup> Epidemiological Week)**

**3 June, 2018**



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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.

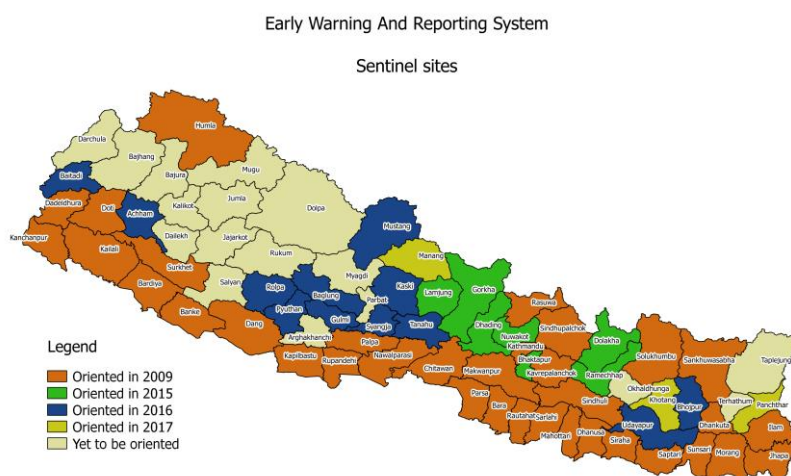
## Section 1: The Early Warning and Reporting System (EWARS)

### Highlights

- **Kala-azar:** Two cases of Kala-azar are reported this week, one each from Bharatpur Hospital, Chitwan and District Hospital Darchula and the cases are from Makwanpur and Darchula district respectively.
- **Malaria:** Four cases of Malaria (*Plasmodium falciparum*) is reported this week one each from Sukraraj Tropical and Infectious Disease Hospital, Teku, Lumbini Zonal Hospital, Rupandehi, Bharatpur Hospital, Chitwan and District Hospital, Tanahun. The cases are from Makwanpur, Rupandehi, Nawalparasi and Gorkha district respectively.
- **Dengue:** No case of Dengue is reported this week.
- **Scrub Typhus:** One case of Scrub Typhus is reported this week from United Mission Hospital, Palpa and the case is from Syangja district.

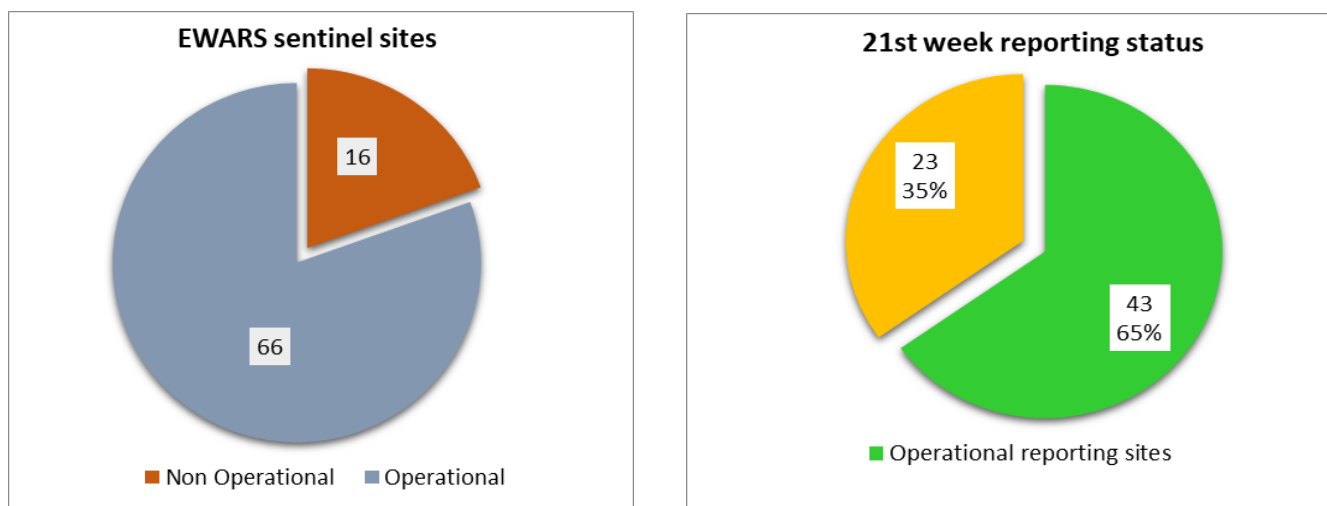
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs)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

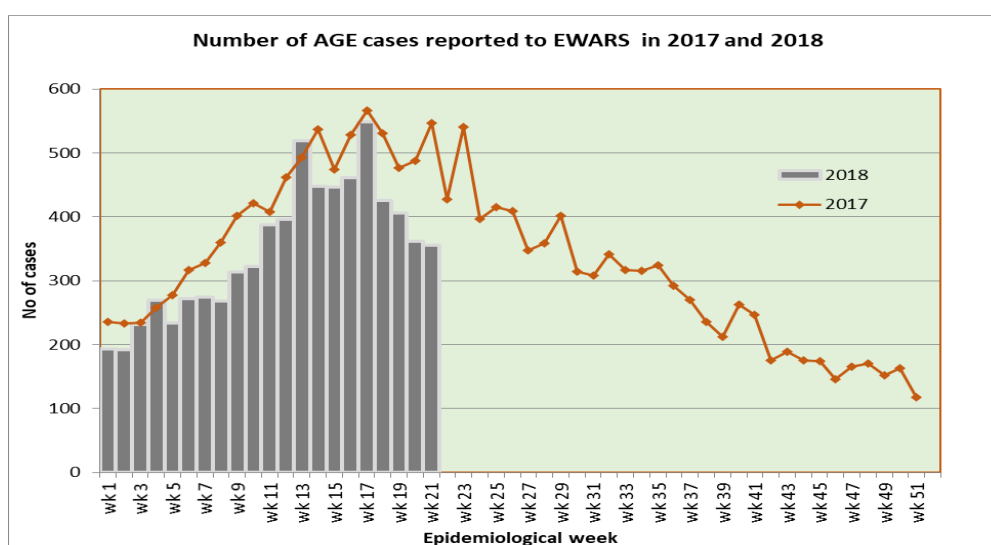
Out of 66 functional EWARS sentinel sites, report was received from 43 sentinel sites (65 percent) whereas 23 sentinel sites did not report in 21<sup>st</sup> Epidemiological week of 2018. The reporting coverage is increased as compared to previous week.



### 1.1 Acute Gastro-Enteritis and Cholera

355 cases of AGE are reported in 21<sup>st</sup> epidemiological week of 2018. Among 355 cases, the majority of cases are from, Kanchanpur (27 cases), Kapilbastu (27 cases), Kailali (24 cases), Dhanusha (23 cases), Achham (20 cases), Bara (19 cases), Kathmandu (19 cases), Panchthar (18 cases), Dolakha (17 cases) and Rupandehi (16 cases) district. The number of AGE cases reported in 21<sup>st</sup> week this year did not exceed the number of AGE cases reported in the same week last year (547 cases).

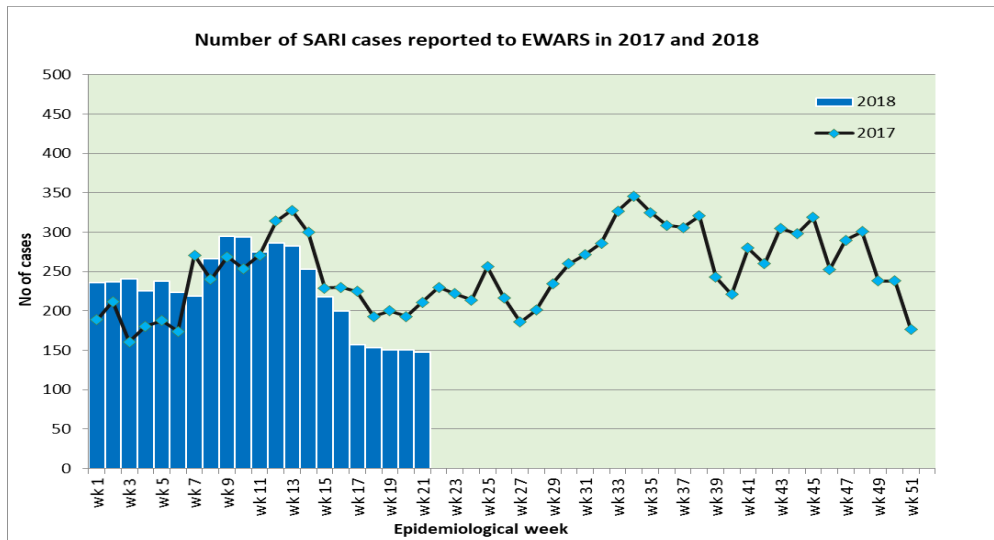
No death from AGE is reported this week. Four deaths from AGE are reported so far this year. Twenty deaths from AGE were reported in 2017.



## 1.2 Severe Acute Respiratory Infection (SARI)

148 cases of SARI are reported in 21<sup>st</sup> epidemiological week of 2018. The cases of SARI reported this week did not exceed the number reported in the same week last year (211 cases). Among 148 reported cases, the majority of cases are from Morang (21 cases), Rupandehi (19 cases), Panchthar (11 cases), Palpa (8 cases), Kailali (8 cases), Bhojpur (7 cases), Dhankuta (7 cases), and Dhanusha (5 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

21 cases of Enteric fever are reported this week including 4 from Kaski, 3 from Sindhuli, 3 from Baglung, 2 from Chitwan and 2 from Ilam district. No death from Enteric fever is reported so far this year. Three deaths from Enteric Fever were reported in 2017.

## 1.4 Malaria

Four cases of Malaria (*Plasmodium falciparum*) is reported this week one each from Sukraraj Tropical and Infectious Disease Hospital, Teku, Lumbini Zonal Hospital, Rupandehi, Bharatpur Hospital, Chitwan and District Hospital, Tanahun. The cases are from Makwanpur, Rupandehi, Nawalparasi and Gorkha district respectively.

Twenty three 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. Eleven 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

Two cases of Kala-azar are reported this week, one each from Bharatpur Hospital, Chitwan and District Hospital Darchula and the cases are from Makwanpur and Darchula district respectively.

Sixty 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

One case of Scrub Typhus is reported this week from United Mission Hospital, Palpa and the case is from Syangja district. Twenty one 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:

Code	Sentinel Sites	Timeliness (This Week)	Completeness (%)	Site Code	Sentinel Sites	Timeliness (This Week)	Completeness (%)
101	Mechi ZH, Jhapa	On Time	100	135	DH, Sindhuli	On Time	100
102	Koshi ZH, Morang	On Time	100	136	DH, Illam	On Time	100
103	DH, Sunsari	On Time	100	137	Dhulikhel H., Kavre	No Reporting	95
104	BPKIHS, Dharan	No Reporting	95	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	No Reporting	95	201	L. Comm DH, Lamjung	On Time	100
108	DH, Siraha	No Reporting	20	202	DH, Dhading	On Time	60
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	95	206	DH, Gorkha	No Reporting	35
113	DH, Makawanpur	No Reporting	95	207	DH Trishuli, Nuwakot	No Reporting	0
114	Bharatpur Hospital, Chitwan	On Time	100	208	Charikot PHCC, Dolakha	On Time	95
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	25
118	PCH, Nawalparasi	On Time	100	212	WRH, Kaski	On Time	100
119	PBH, Kapilbastu	On Time	100	214	DH, Gulmi	No Reporting	60
120	LZH, Rupandehi	On Time	100	215	DZH, Baglung	On Time	100
121	RSRH Dang	On Time	100	216	DH, Parbat	On Time	20
122	MWRH, Surkhet	On Time	100	218	DH, Manang	On Time	100
123	BZH, Banke	No Reporting	0	219	DH, Mustang	No Reporting	0
124	SZH, Kailali	On Time	30	220	DH, Pyuthan	On Time	100
125	MZH, Kanchanpur	On Time	100	229	DH, Achham	On Time	100
126	DH, Doti	No Reporting	95	230	DH, Baitadi	On Time	80
127	DH, Bardiya	No Reporting	60	231	DH, Darchula	On Time	30
128	DH, Mahottari	No Reporting	50	234	DH, Taplejung	No Reporting	60
129	DH, Dadeldhura	No Reporting	0	235	DH, Panchthar	On Time	100
130	DH, Rasuwa	On Time	100	236	DH, Terhathum	On Time	100
131	DH, Sankhuwasabha	No Reporting	35	237	DH, Bhojpur	On Time	100
132	AMDA Hosp., Jhapa	On Time	100	238	DH, Khotang	No Reporting	80
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](http://www.edcd.gov.np) . This bulletin is also available at the website.