

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

# **Weekly Bulletin**

**(24<sup>th</sup> Epidemiological Week)**

**24 June, 2018**



**Government of Nepal**  
**Ministry of Health and Population**  
**Department of Health Services**  
**Epidemiology and Disease Control Division**  
**Kathmandu, Nepal**  
[ewarsedcd@gmail.com](mailto:ewarsedcd@gmail.com)

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.

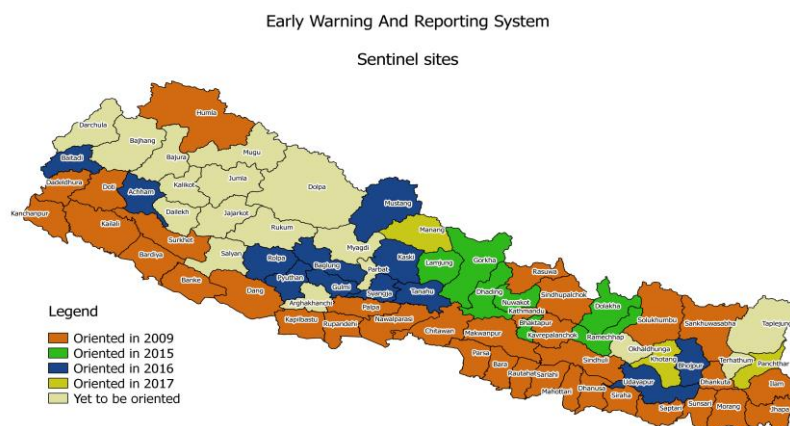
## Section 1: The Early Warning and Reporting System (EWARS)

### Highlights

- **Kala-azar:** Three cases of Kala-azar are reported this week, two from Sukraraj Tropical and Infectious Disease Hospital, Kathmandu and one from United Mission Hospital, Palpa. The cases are from Malikarjun Rural Municipality of Darchula district, Budhiganga Municipality of Bajura district and Chandrakot Rural Municipality of Gulmi district.
- **Malaria:** One case of Malaria (*Plasmodium Vivax*) is reported this week from Seti Zonal Hospital, Kailali and the case is from Dhangadhi Sub Metropolitan of Kailali district.
- **Dengue:** Three cases of Dengue are reported this week, two from Lumbini Zonal Hospital, Rupandehi and one from Sukraraj Tropical and Infectious Disease Hospital, Teku. The cases are from Nawalparasi and Pyuthan district respectively.
- **Scrub Typhus:** Three cases of Scrub Typhus are reported this week, two from Kanti Children Hospital, Kathmandu and one from Seti Zonal Hospital Kailali. The cases are from Rupandehi, Dailekh and Kailali district.
- **AGE:** One death from AGE is reported this week from District Hospital Doti and the deceased was from Dipayal Silgadhi Municipality of Doti district.

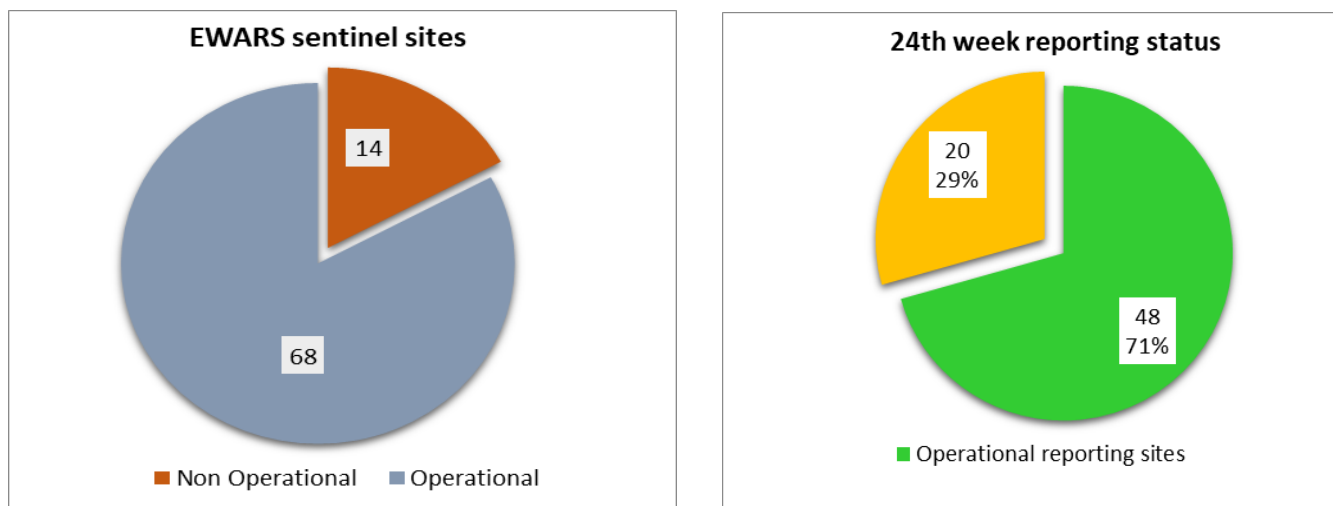
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs) 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 68 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

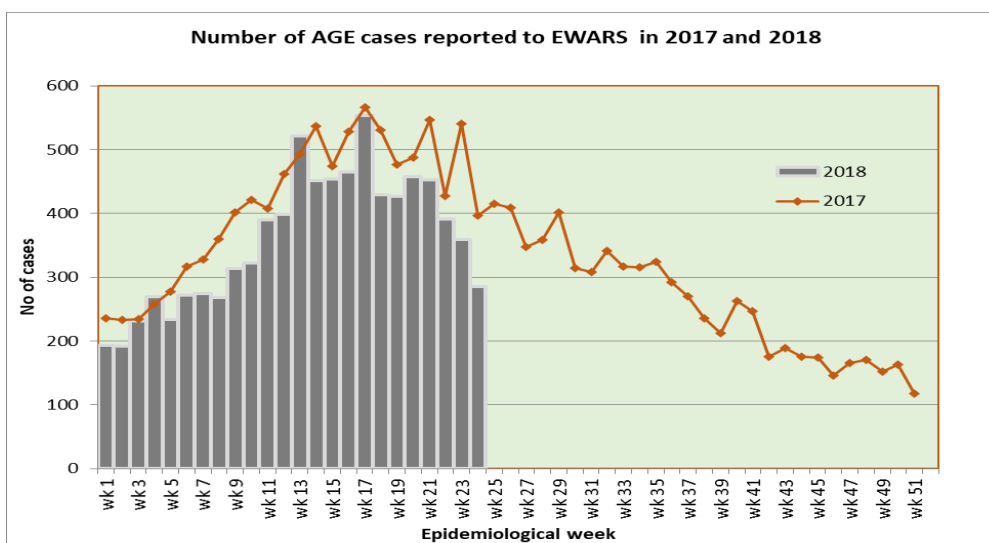
Out of 68 functional EWARS sentinel sites, report was received from 48 sentinel sites (71 percent) whereas 20 sentinel sites did not report in 24<sup>th</sup> Epidemiological week of 2018. The reporting coverage is same as compared to previous week.



### 1.1 Acute Gastro-Enteritis and Cholera

285 cases of AGE are reported in 24<sup>th</sup> epidemiological week of 2018. Among 285 cases, the majority of cases are from Kailali (24 cases), Panchthar (22 cases), Dolakha (20 cases), Lamjung (18 cases), Kanchanpur (14 cases), Solukhumbu (12 cases), Dhanusha (11 cases), Jhapa (11 cases), Kaski (11 cases), and Pyuthan (11 cases) district. The number of AGE cases reported in 24<sup>th</sup> week this year did not exceed the number of AGE cases reported in the same week last year (397 cases).

One death from AGE is reported this week from District Hospital Doti and the deceased was from Dipayal Silgadhi Municipality of Doti district. Five deaths from AGE are reported so far this year. Twenty deaths from AGE were reported in 2017.

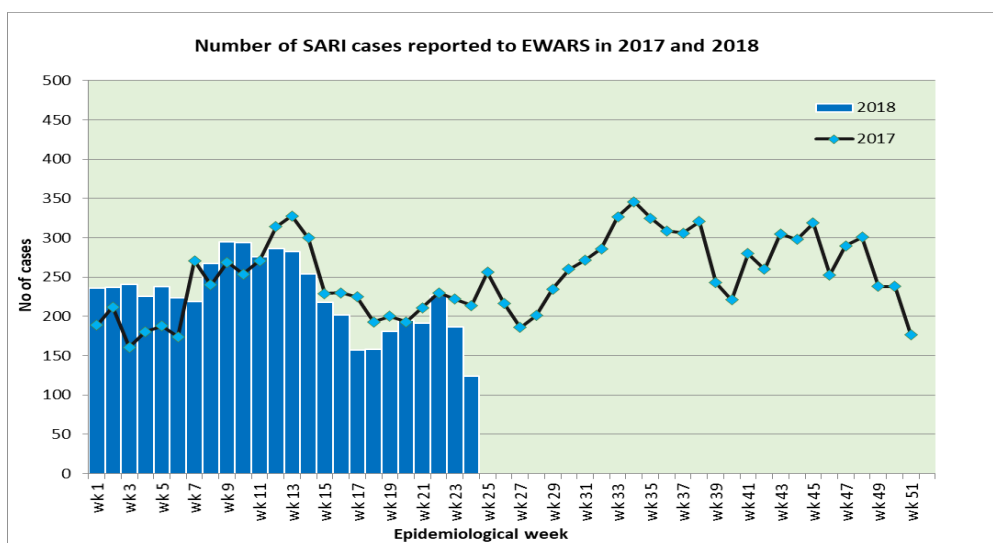


**Cholera:** Two Cholera cases have been reported from Sukraraj Tropical and Infectious Disease Hospital, Teku, Kathmandu since 6<sup>th</sup> June, 2018. The samples are confirmed positive by National Public Health Laboratory and the cases are from Nuwakot and Kathmandu district.

## 1.2 Severe Acute Respiratory Infection (SARI)

124 cases of SARI are reported in 24<sup>th</sup> epidemiological week of 2018. The cases of SARI reported this week did not exceed the number reported in the same week last year (214 cases). Among 124 reported cases, the majority of cases are from Morang (17 cases), Kailali (16 cases), Jhapa (8 cases), Panchthar (8 cases), Sunsari (6 cases), Gulmi (6 cases), Dhankuta (5 cases), Bhojpur (5 cases) and Saptari (5 cases) district.

No death from SARI is reported this week. 26 deaths from SARI are reported so far this year. Eighty two deaths from SARI were reported in 2017.



## 1.3 Enteric Fever

29 cases of Enteric fever are reported this week including 5 from Kaski, 4 from Myagdi, 2 from Dhading, 2 from Kathmandu, 2 from Lamjung, 2 from Morang and 2 from Sindhuli district. 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 (*Plasmodium Vivax*) is reported this week from Seti Zonal Hospital, Kailali and the case is from Dhangadhi Sub Metropolitan of Kailali district.

Twenty nine cases of Malaria are reported so far this year. Ninety one cases of Malaria are reported through EWARS in 2017.

## 1.5 Dengue

Three cases of Dengue are reported this week, two from Lumbini Zonal Hospital, Rupandehi and one from Sukraraj Tropical and Infectious Disease Hospital, Teku. The cases are from Nawalparasi and Pyuthan district respectively.

Thirteen 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

Three cases of Kala-azar are reported this week, two from Sukraraj Tropical and Infectious Disease Hospital, Kathmandu and one from United Mission Hospital, Palpa. The cases are from Malikarjun Rural Municipality of Darchula district, Budhiganga Municipality of Bajura district and Chandrakot Rural Municipality of Gulmi district.

Eighty five 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 Kanti Children Hospital, Kathmandu and one from Seti Zonal Hospital Kailali. The cases are from Rupandehi, Dailekh and Kailali district.

Thirty three 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	136	DH, Illam	On Time	100
102	Koshi ZH, Morang	On Time	100	137	Dhulikhel H., Kavre	No Reporting	91
103	DH, Sunsari	On Time	100	138	DH, Solukhumbu	On Time	100
104	BPKIHS, Dharan	On Time	100	139	DH, Dolpa	No Reporting	0
105	DH, Dhankuta	On Time	100	140	DH, Humla	No Reporting	0
106	SZH, Saptari	No Reporting	0	201	L. Comm DH, Lamjung	On Time	100
107	RKUP Lahan, Siraha	On Time	100	202	DH, Dhading	On Time	75
108	DH, Siraha	Late Reporting	83	203	DH, Ramechhap	On Time	100
109	JZH, Dhanusha	On Time	100	204	Bhaktapur Hospital	No Reporting	0
110	DH, Rautahat	No Reporting	20	205	Patan Hospital, Lalitpur	On Time	100
111	DH, Bara	On Time	100	206	DH, Gorkha	On Time	37
112	NSRH, Parsa	No Reporting	95	207	DH Trishuli, Nuwakot	No Reporting	10
113	DH, Makawanpur	On Time	100	208	Charikot PHCC, Dolakha	On Time	95
114	Bharatpur Hospital, Chitwan	No Reporting	87	209	Jiri H, Dolakha	On Time	100
115	Kanti CH, Kathmandu	On Time	100	210	DH, Syangja	On Time	62
116	STIDH, Kathmandu	On Time	100	211	DH, Tanahun	No Reporting	20
117	UMH, Palpa	On Time	100	212	WRH, Kaski	On Time	100
118	PCH, Nawalparasi	On Time	100	214	DH, Gulmi	No Reporting	62
119	PBH, Kapilbastu	On Time	100	215	DZH, Baglung	On Time	100
120	LZH, Rupandehi	On Time	100	216	DH, Parbat	No Reporting	30
121	RSRH Dang	No Reporting	95	217	DH, Arghakhanchi	On Time	10
122	MWRH, Surkhet	On Time	100	218	DH, Manang	On Time	100
123	BZH, Banke	No Reporting	20	219	DH, Mustang	On Time	50
124	SZH, Kailali	On Time	45	220	DH, Pyuthan	On Time	100
125	MZH, Kanchanpur	On Time	100	229	DH, Achham	On Time	100
126	DH, Doti	On Time	100	230	DH, Baitadi	No Reporting	75
127	DH, Bardiya	On Time	100	231	DH, Darchula	On Time	40
128	DH, Mahottari	No Reporting	35	234	DH, Taplejung	On Time	47
129	DH, Dadeldhura	No Reporting	0	235	DH, Panchthar	On Time	100

130	DH, Rasuwa	No Reporting	95	236	DH, Terhathum	No Reporting	95
131	DH, Sankhuwasabha	No Reporting	20	237	DH, Bhojpur	On Time	100
132	AMDA Hosp., Jhapa	On Time	100	238	DH, Khotang	No Reporting	65
133	DH, Chautara	On Time	100	301	Bayalpata Hosp., Achham	On Time	100
134	DH, Sarlahi	On Time	100	302	Tikapur Hospital, Kailali	On Time	40
135	DH, Sindhuli	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.