

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

# **Weekly Bulletin**

**(23<sup>rd</sup> Epidemiological Week)**

**17 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.

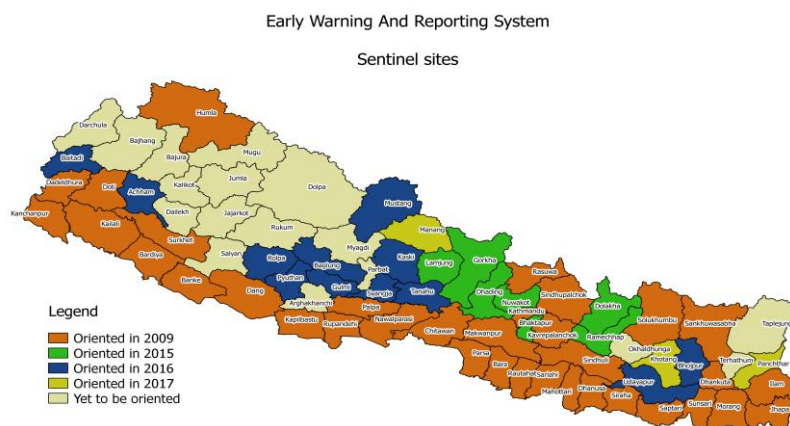
## Section 1: The Early Warning and Reporting System (EWARS)

### Highlights

- **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.
- **Kala-azar:** Three cases of Kala-azar are reported this week, two from Koshi Zonal Hospital, Morang and one from United Mission Hospital, Palpa. The cases are from Biratnagar Sub Metropolitan and Belbari Municipality of Morang district and Rambha Rural Municipality of Palpa district.
- **Malaria:** Two cases of Malaria (*Plasmodium Falciparum*) are reported this week, one each from Seti Zonal Hospital, Kailali and Dhulikhel Hospital, Kavre. The cases are from Kailali and Bardiya district respectively. Similarly two cases of Malaria (*Plasmodium Vivax*) are reported this week from Charikot PHC, Dolakha and both the cases are from Dolakha district.
- **Scrub Typhus:** Two cases of Scrub Typhus are reported this week, one each from United Mission Hospital, Palpa and Seti Zonal Hospital, Kailali. The cases are from Palpa and Bajhang district.
- **Dengue:** No case of Dengue is reported this week.

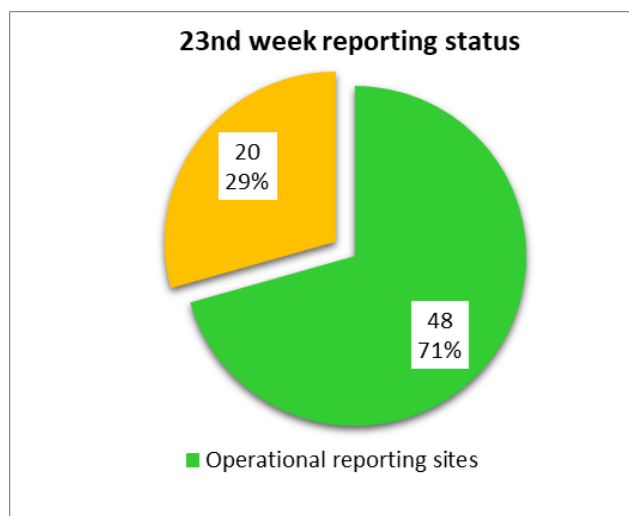
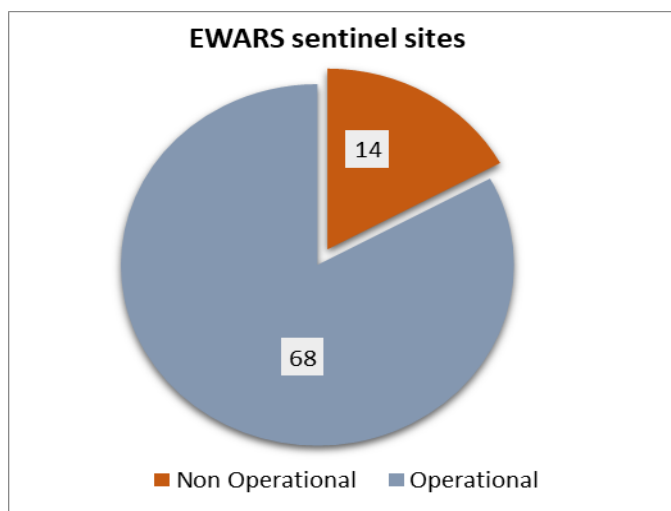
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs)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

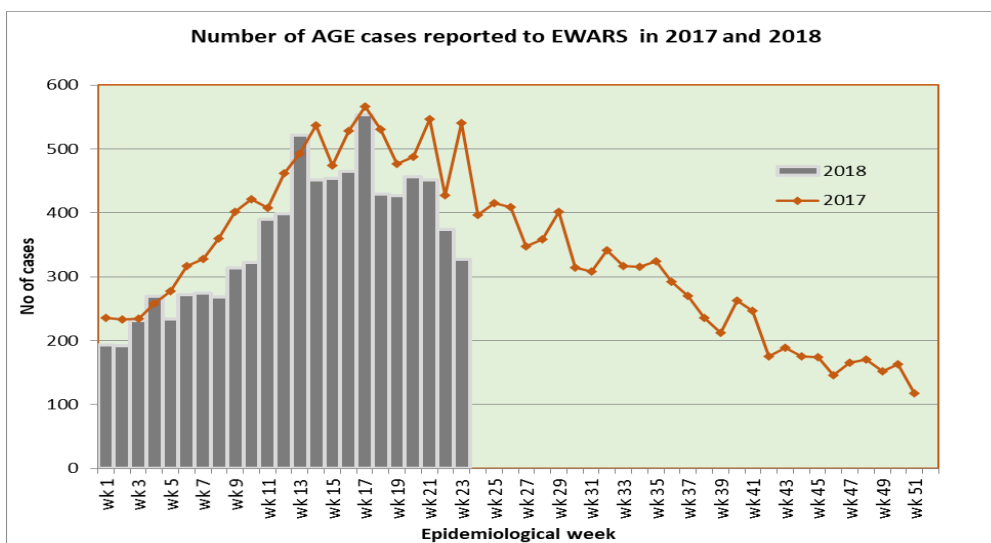
Out of 68 functional EWARS sentinel sites, report was received from 48 sentinel sites (71 percent) whereas 20 sentinel sites did not report in 23<sup>rd</sup> Epidemiological week of 2018. The reporting coverage is same as compared to previous week.



### 1.1 Acute Gastro-Enteritis and Cholera

327 cases of AGE are reported in 23<sup>rd</sup> epidemiological week of 2018. Among 327 cases, the majority of cases are from Kailali (32 cases), Dolakha (31 cases), Achham (29 cases), Dhanusha (22 cases), Kanchanpur (20 cases), Kaski (16 cases), Kapilbastu (10 cases), Surkhet (10 cases), Lalitpur (9 cases), and Kathmandu (8 cases) district. The number of AGE cases reported in 23<sup>rd</sup> week this year did not exceed the number of AGE cases reported in the same week last year (541 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.

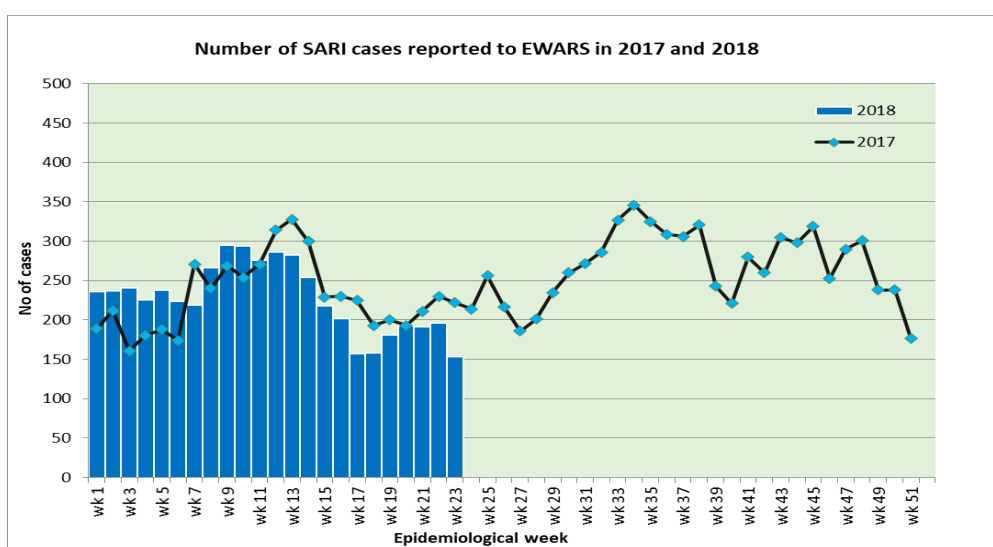


**Cholera:** Two Cholera cases have been reported from Sukraraj Tropical and Infectious Disease Hospital, Teku, Kathmandu since 6<sup>th</sup> June, 2018. The samples are confirmed positive by National Public Health Laboratory and the cases are from Nuwakot and Kathmandu district. Epidemiological and environmental investigations along with water and sanitation activities are carried out in coordination with DPHO and partners.

## 1.2 Severe Acute Respiratory Infection (SARI)

153 cases of SARI are reported in 23<sup>rd</sup> epidemiological week of 2018. The cases of SARI reported this week did not exceed the number reported in the same week last year (222 cases). Among 153 reported cases, the majority of cases are from Morang (18 cases), Panchthar (13 cases), Lalitpur (12 cases), Jhapa (10 cases), Kathmandu (9 cases), Saptari (7 cases), Kailali (6 cases), Bhojpur (6 cases), Ramechhap (5 cases), Dang (4 cases), and Dhankutta (4 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

51 cases of Enteric fever are reported this week including 7 from Kaski, 6 from Palpa, 4 from Dhading, 3 from Siraha and 3 from Dolakha 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 Falciparum*) are reported this week, one each from Seti Zonal Hospital, Kailali and Dhulikhel Hospital, Kavre. The cases are from Kailali and Bardiya district respectively. Similarly two cases of Malaria (*Plasmodium Vivax*) are reported this week from Charikot PHC, Dolakha and both the cases are from Dolakha district.

Twenty eight 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

Three cases of Kala-azar are reported this week, two from Koshi Zonal Hospital, Morang and one from United Mission Hospital, Palpa. The cases are from Biratnagar Sub Metropolitan and Belbari Municipality of Morang district and Rambha Rural Municipality of Palpa district.

Eighty 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

Two cases of Scrub Typhus are reported this week, one each from United Mission Hospital, Palpa and Seti Zonal Hospital, Kailali. The cases are from Palpa and Bajhang district. Twenty four 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	On Time	97
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	69
108	DH, Siraha	No Reporting	20	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	No Reporting	25
112	NSRH, Parsa	On Time	100	207	DH Trishuli, Nuwakot	On Time	10
113	DH, Makawanpur	No Reporting	86	208	Charikot PHCC, Dolakha	On Time	95
114	Bharatpur Hospital, Chitwan	No Reporting	91	209	Jiri H, Dolakha	On Time	100
115	Kanti CH, Kathmandu	On Time	100	210	DH, Syangja	On Time	60
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	69
119	PBH, Kapilbastu	On Time	100	215	DZH, Baglung	On Time	100
120	LZH, Rupandehi	No Reporting	91	216	DH, Parbat	On Time	35
121	RSRH Dang	On Time	100	218	DH, Manang	On Time	100
122	MWRH, Surkhet	On Time	100	219	DH, Mustang	On Time	35
123	BZH, Banke	No Reporting	20	220	DH, Pyuthan	On Time	100
124	SZH, Kailali	On Time	40	229	DH, Achham	On Time	100
125	MZH, Kanchanpur	On Time	100	230	DH, Baitadi	No Reporting	79
126	DH, Doti	On Time	100	231	DH, Darchula	On Time	35
127	DH, Bardiya	No Reporting	91	234	DH, Taplejung	No Reporting	45
128	DH, Mahottari	No Reporting	40	235	DH, Panchthar	On Time	100
129	DH, Dadeldhura	No Reporting	0	236	DH, Terhathum	On Time	100
130	DH, Rasuwa	On Time	100	237	DH, Bhojpur	On Time	100
131	DH,	No Reporting	30	238	DH, Khotang	No Reporting	69

	Sankhuwasabha						
132	AMDA Hosp., Jhapa	On Time	100	301	Bayalpata Hosp., Achham	On Time	100
133	DH, Chautara	On Time	100	302	Tikapur Hospital, Kailali	On Time	35
134	DH, Sarlahi	On Time	100				
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.