

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

# **Weekly Bulletin**

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

**5 August, 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.

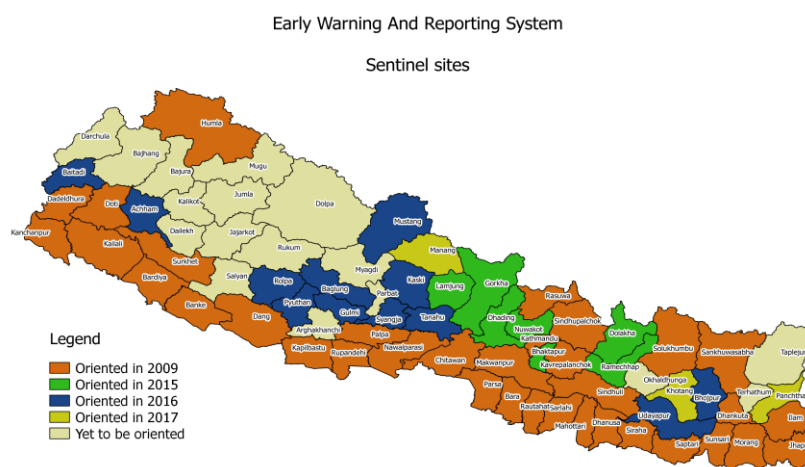
## Section 1: The Early Warning and Reporting System (EWARS)

### Highlights

- **Kala-azar:** Five cases of Kala-azar are reported this week, Two from Lumbini Zonal Hospital, Rupandehi and one each from Kanti Children Hospital, Kathmandu, Sukraraj Tropical and Infectious Disease Hospital, Kathmandu and Seti Zonal Hospital, Kailali. The cases are from Pyuthan, Rolpa, Kalikot, Kathmandu and Achham district.
- **Malaria:** Three cases of Malaria (*Plasmodium Vivax*) are reported this week, two from Tikapur Hospital, Kailali and one from Mahakali Zonal Hospital, Kanchanpur. The cases are from Kailali and Kanchanpur district.
- **Dengue:** Six cases of Dengue are reported this week, five from Lumbini Zonal Hospital, Rupandehi and one from Seti Zonal Hospital, Kailali. The cases are from Nawalparasi, Rupandehi and Dadeldhura district.
- **Scrub Typhus:** Eight cases of Scrub Typhus are reported this week, six from United Mission Hospital, Palpa and one each from Sukraraj Tropical and Infectious Disease Hospital, Kathmandu and Seti Zonal Hospital, Kailali. The cases are from Palpa, Syangja, Dhading, Rolpa and Kailali district.
- **AGE:** One Death from AGE is reported this week from Pokhara Academy of Health Science, Kaski and the deceased was from Kaski district.

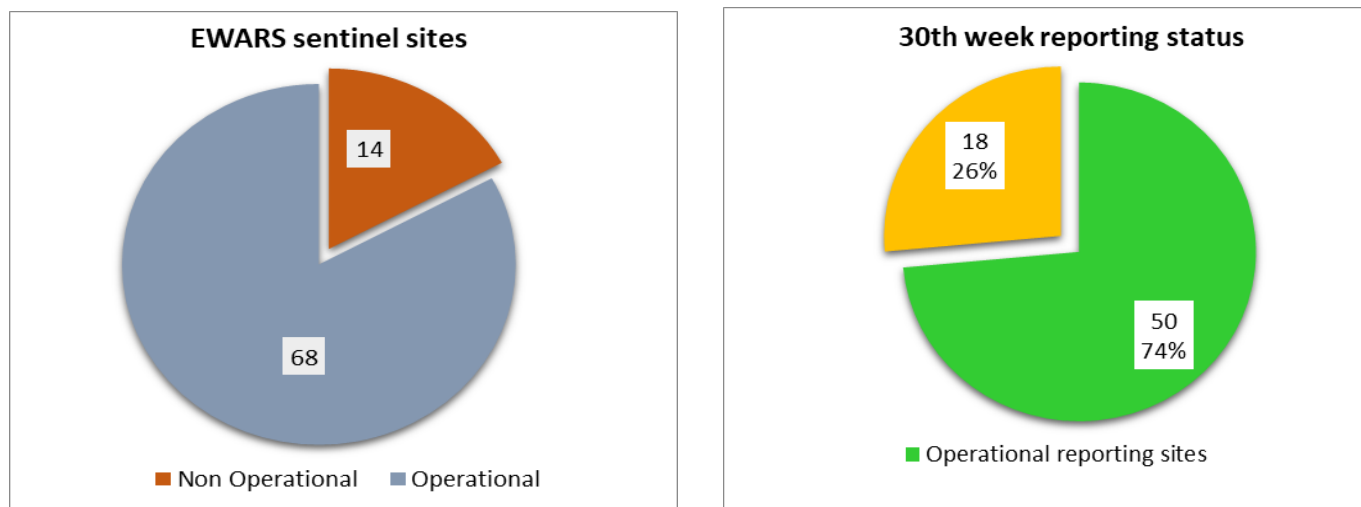
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs)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

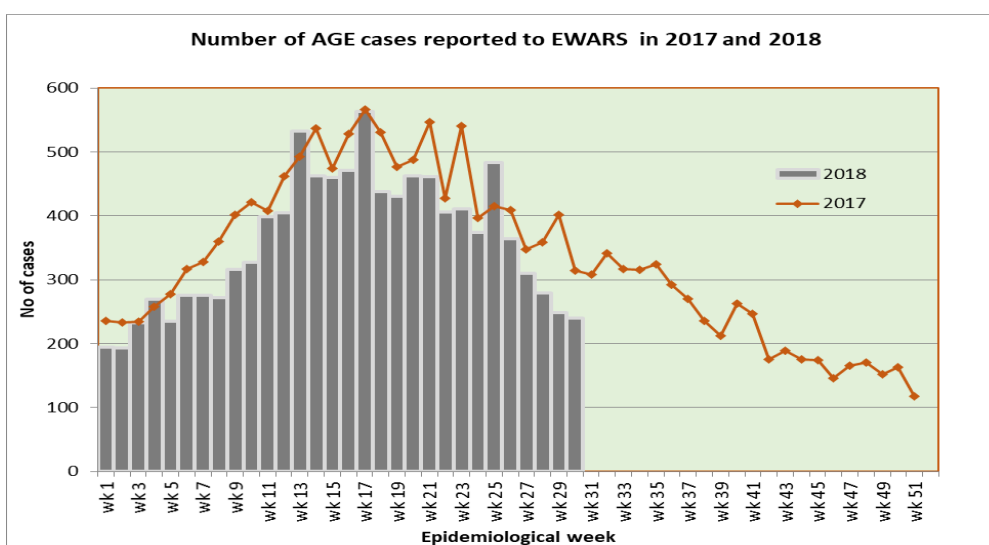
Out of 68 functional EWARS sentinel sites, report was received from 50 sentinel sites (74 percent) whereas 18 sentinel sites did not report in 30<sup>th</sup> Epidemiological week of 2018. The reporting coverage is same as compared to previous week.



### 1.1 Acute Gastro-Enteritis and Cholera

240 cases of AGE are reported in 30<sup>th</sup> epidemiological week of 2018. Among 240 cases, the majority of cases are from Achham (28 cases), Dolakha (19 cases), Kanchanpur (17 cases), Dhanusha (13 cases), Kailali (12 cases), Kapilbastu (10 cases), Dhankuta (9 cases), Kathmandu (9 cases), Surkhet (9 cases) and Nawalparasi (10 cases) district. The number of AGE cases reported in 30<sup>th</sup> week this year did not exceed the number of AGE cases reported in the same week last year (314 cases).

One Death from AGE is reported this week from Pokhara Academy of Health Science, Kaski and the deceased was from Kaski district. Eleven deaths from AGE are reported so far this year. Twenty deaths from AGE were reported in 2017.

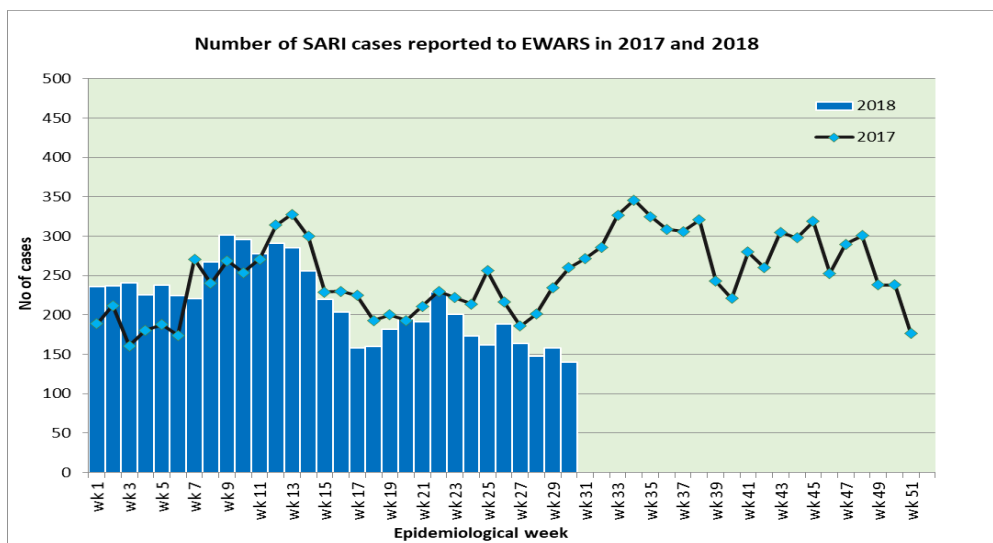


**Cholera:** A total of 3 cases of Cholera have been reported this year. The samples are confirmed positive by National Public Health Laboratory and the cases are from Nuwakot, Kathmandu and Lalitpur district.

## 1.2 Severe Acute Respiratory Infection (SARI)

140 cases of SARI are reported in 30<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 (260 cases). Among 140 reported cases, the majority of cases are from Lalitpur (18 cases), Morang (13 cases), Jhapa (12 cases), Kathmandu (11 cases), Rupandehi (10 cases), Sunsari (7 cases) and Kailali (6 cases) district.

No death from SARI is reported this week. 28 deaths from SARI are reported so far this year. Eighty two deaths from SARI were reported in 2017.



## 1.3 Enteric Fever

76 cases of Enteric fever are reported this week including 10 from Kaski, 8 from Lamjung, 6 from Illam, 6 from Dolakha, 5 from Dhading and 4 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

Three cases of Malaria (*Plasmodium Vivax*) are reported this week, two from Tikapur Hospital, Kailali and one from Mahakali Zonal Hospital, Kanchanpur. The cases are from Kailali and Kanchanpur district.

## 1.5 Dengue

Six cases of Dengue are reported this week, five from Lumbini Zonal Hospital, Rupandehi and one from Seti Zonal Hospital, Kailali. The cases are from Nawalparasi, Rupandehi and Dadeldhura district. Thirty two 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

Five cases of Kala-azar are reported this week, two from Lumbini Zonal Hospital, Rupandehi and one each from Kanti Children Hospital, Kathmandu, Sukraraj Tropical and Infectious Disease Hospital, Kathmandu and Seti Zonal Hospital, Kailali. The cases are from Pyuthan, Rolpa, Kalikot, Kathmandu and Achham district.

One Hundred 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

Eight cases of Scrub Typhus are reported this week, six from United Mission Hospital, Palpa and one each from Sukraraj Tropical and Infectious disease Hospital, Kathmandu and Seti Zonal Hospital, Kailali. The cases are from Palpa, Syangja, Dhading, Rolpa and Kailali district. Sixty 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	136	DH, Illam	On Time	100
102	Koshi ZH, Morang	On Time	100	137	Dhulikhel H., Kavre	On Time	100
103	DH, Sunsari	On Time	100	138	DH, Solukhumbu	On Time	100
104	BPKIHS, Dharan	No Reporting	90	139	DH, Dolpa	No Reporting	0
105	DH, Dhankuta	On Time	100	140	DH, Humla	No Reporting	0
106	SZH, Saptari	On Time	50	201	L. Comm DH, Lamjung	On Time	100
107	RKUP Lahan, Siraha	On Time	100	202	DH, Dhading	On Time	80
108	DH, Siraha	No 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	10	205	Patan Hospital, Lalitpur	On Time	100
111	DH, Bara	No Reporting	93	206	DH, Gorkha	No Reporting	30
112	NSRH, Parsa	No Reporting	93	207	DH Trishuli, Nuwakot	No Reporting	19
113	DH, Makawanpur	On Time	100	208	Charikot PHCC, Dolakha	On Time	96
114	Bharatpur Hospital, Chitwan	On Time	100	209	Jiri H, Dolakha	On Time	100
115	Kanti CH, Kathmandu	On Time	100	210	DH, Syangja	On Time	80
116	STIDH, Kathmandu	On Time	100	211	DH, Tanahun	No Reporting	10
117	UMH, Palpa	On Time	100	212	PAHS/WRH, Kaski	On Time	100
118	PCH, Nawalparasi	On Time	100	213	DH, Myagdi	On Time	53
119	PBH, Kapilbastu	On Time	100	214	DH, Gulmi	On Time	73
120	LZH, Rupandehi	On Time	100	215	DZH, Baglung	On Time	100
121	RSRH Dang	On Time	100	216	DH, Parbat	On Time	53
122	MWRH, Surkhet	On Time	100	217	DH, Arghakhanchi	No Reporting	20
123	BZH, Banke	On Time	75	218	DH, Manang	On Time	95
124	SZH, Kailali	On Time	65	219	DH, Mustang	On Time	60
125	MZH, Kanchanpur	On Time	100	220	DH, Pyuthan	No Reporting	96
126	DH, Doti	On Time	100	229	DH, Achham	On Time	100
127	DH, Bardiya	On Time	100	230	DH, Baitadi	No Reporting	70
128	DH, Mahottari	No Reporting	10	231	DH, Darchula	On Time	53
129	DH, Dadeldhura	No Reporting	0	234	DH, Taplejung	No Reporting	46
130	DH, Rasuwa	No Reporting	93	235	DH, Panchthar	No Reporting	90
131	DH, Sankhuwasabha	On Time	26	236	DH, Terhathum	On Time	100
132	AMDA Hosp., Jhapa	On Time	100	237	DH, Bhojpur	On Time	100
133	DH, Chautara	On Time	100	238	DH, Khotang	No Reporting	40
134	DH, Sarlahi	On Time	100	301	Bayalpata Hosp., Achham	On Time	100

135	DH, Sindhuli	On Time	100	302	Tikapur Hospital, Kailali	On Time	53
						<b>Excellent (&gt;80)</b>	
						<b>Satisfactory (50-79)</b>	
						<b>Bad(&lt;50)</b>	

### 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.