

Early Warning and Reporting System (EWARS)  
**Weekly Bulletin**  
(4<sup>th</sup> Epidemiological Week)  
**4 February 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.

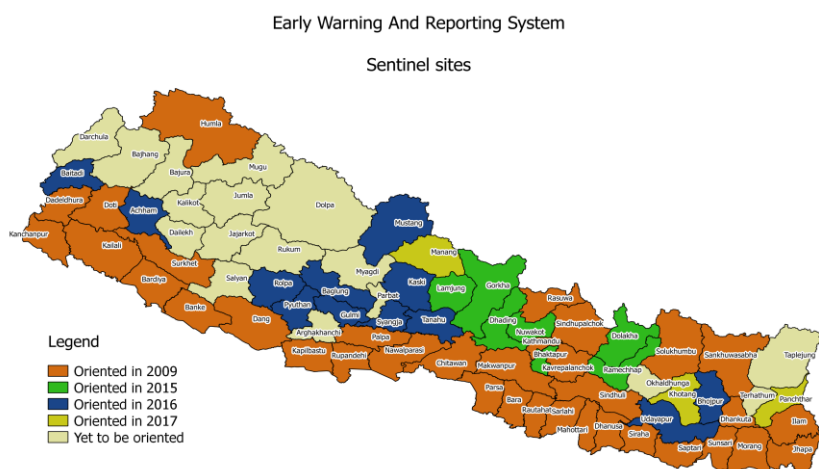
## Section 1: The Early Warning and Reporting System (EWARS)

### Highlights

- **Kala-azar:** Three cases of Kala-azar are reported this week, one each from Lumbini Zonal Hospital, Rupandehi, Sukraraj Tropical and Infectious Disease Hospital, Teku and Mid-Western Regional Hospital, Surkhet. The cases are from Pyuthan, Salyan and Dailekh district respectively.
- **Dengue:** One case of Dengue is reported this week from Lumbini Zonal Hospital, Rupandehi and the case is from Butwal Sub Metropolitan of Rupandehi district.
- **Malaria:** No case of Malaria is reported this week
- **SARI:** Three deaths from SARI are reported this week, one from Koshi Zonal Hospital, Morang and two from Patan Academy of Health Sciences, Lalitpur. The deceased were from Sunsari and Lalitpur district.
- **AGE:** One death from AGE is reported this week from District Hospital, Illam and the deceased was from Illam Municipality.

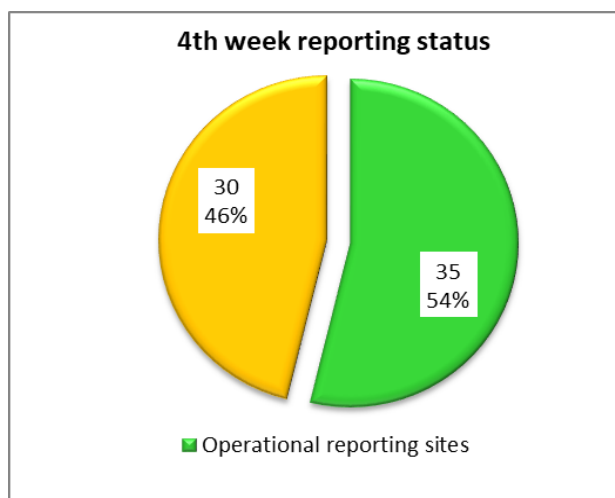
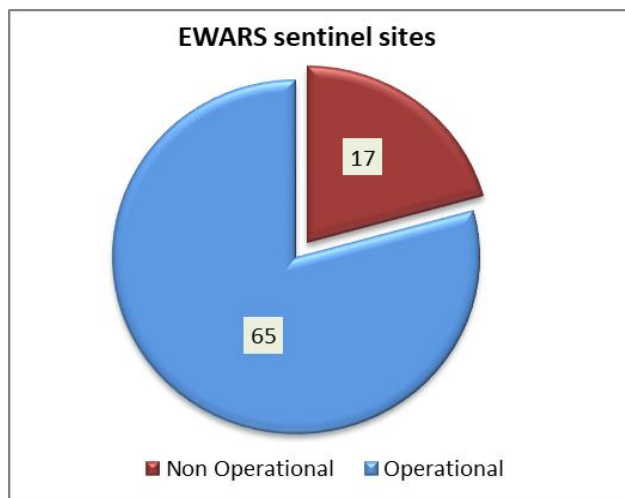
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs) 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 65 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

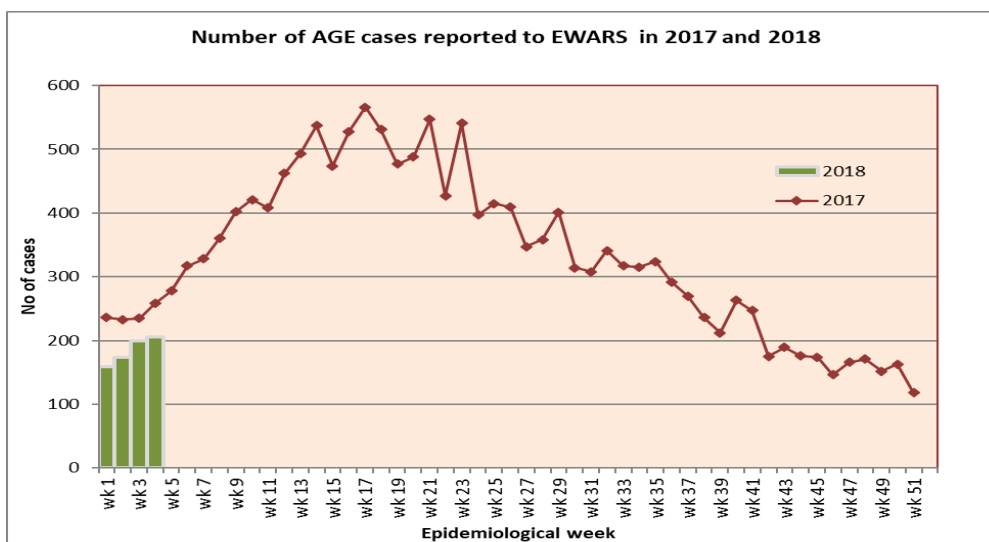
Out of 65 functional EWARS sentinel sites, report was received from 35 sentinel sites (54 percent) whereas 30 sentinel sites did not report in 4<sup>th</sup> Epidemiological week of 2018. The reporting coverage is same as compared to previous week.



### 1.1 Acute Gastro-Enteritis and Cholera

205 cases of AGE are reported in 4<sup>th</sup> epidemiological week of 2018. Among 205 cases, the majority of cases are from Panchthar (34 cases), Achham (17 cases), Dhanusha (14 cases), Jhapa (11 cases), Morang (10 cases), Illam (9 cases), Palpa (9 cases), Kathmandu (9 cases) and Dolakha (9 cases) district. The number of AGE cases reported in 4<sup>th</sup> week this year did not exceed the number of AGE cases reported in the same week last year (258 cases).

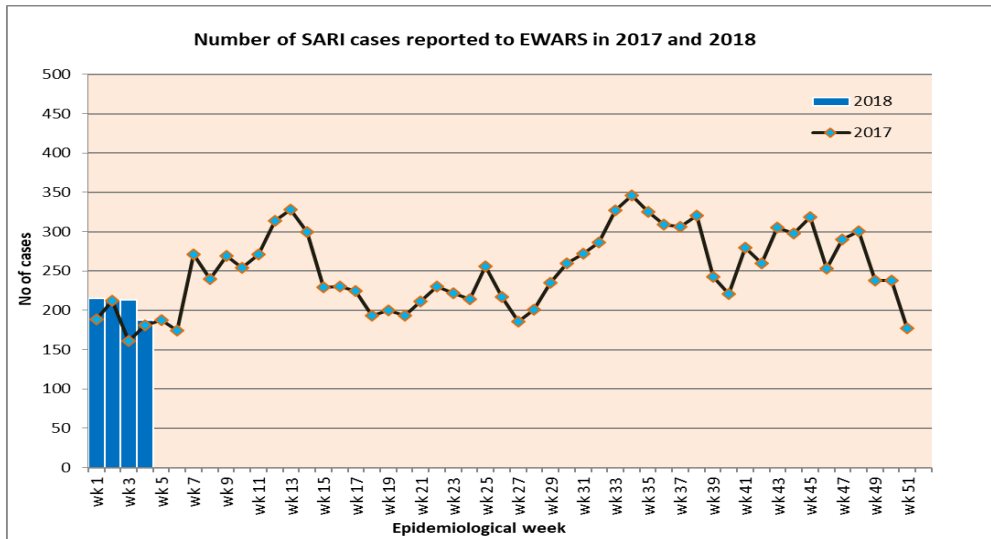
One death from AGE is reported this week from District Hospital, Illam and the deceased was from Illam Municipality. Twenty deaths from AGE were reported in 2017.



## 1.2 Severe Acute Respiratory Infection (SARI)

188 cases of SARI are reported in 4<sup>th</sup> epidemiological week of 2018. The cases of SARI reported this slightly exceed the number reported in the same week last year (181 cases). Among 188 cases, the majority of cases are from Jhapa (29 cases), Rupandehi (29 cases), Morang (20 cases), Lalitpur (17 cases), Kathmandu (11 cases), Palpa (7 cases), Sunsari (6 cases), Dhading (5 cases), Kapilbastu (5 cases) and Nawalparasi (5 cases) district.

Three deaths from SARI are reported this week, one from Koshi Zonal Hospital, Morang and two from Patan Academy of Health Sciences, Lalitpur. The deceased were from Sunsari and Lalitpur district. Six deaths from SARI are reported so far this year. Eighty two deaths from SARI were reported in 2017.



## 1.3 Enteric Fever

18 cases of Enteric fever are reported this week, 3 from Kathmandu, 3 from Lamjung, and two each from Siraha and Baglung district. Three deaths from Enteric Fever were reported in 2017.

## 1.4 Malaria

No case of Malaria is reported so far this year. Ninety one cases of Malaria are reported through EWARS in 2017.

## 1.5 Dengue

One case of Dengue is reported this week from Lumbini Zonal Hospital, Rupandehi and the case is from Butwal Sub Metropolitan of Rupandehi district. Four 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, one each from Lumbini Zonal Hospital, Rupandehi, Sukraraj Tropical and Infectious Disease Hospital, Teku and Mid-Western Regional Hospital, Surkhet. The cases are from Pyuthan, Salyan and Dailekh district respectively. Thirteen cases of Kala azar are reported so far this year.

Two hundred twelve cases of Kala-azar were reported through EWARS in 2017.

## 1.7 Scrub Typhus

No case of Scrub Typhus is reported this week. 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	On Time	100	135	DH, Sindhuli	No Reporting	0
102	Koshi ZH, Morang	On Time	100	136	DH, Illam	On Time	100
103	DH, Sunsari	On Time	100	137	Dhulikhel H., Kavre	On Time	100
104	BPKIHS, Dharan	No Reporting	75	138	DH, Solukhumbu	No Reporting	0
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	0	201	L. Comm DH, Lamjung	On Time	100
108	DH, Siraha	No Reporting	0	202	DH, Dhading	No Reporting	0
109	JZH, Dhanusha	On Time	100	203	DH, Ramechhap	On Time	100
110	DH, Rautahat	No Reporting	0	204	Bhaktapur Hospital	No Reporting	0
111	DH, Bara	On Time	100	205	Patan Hospital, Lalitpur	On Time	100
112	NSRH, Parsa	No Reporting	0	206	DH, Gorkha	No Reporting	75
113	DH, Makawanpur	No Reporting	75	207	DH Trishuli, Nuwakot	No Reporting	0
114	NZH, Chitwan	On Time	100	208	Charikot PHCC, Dolakha	On Time	100
115	Kanti CH, Kathmandu	On Time	100	209	Jiri H, Dolakha	No Reporting	75
116	STIDH, Kathmandu	On Time	100	210	DH, Syangja	No Reporting	25
117	UMH, Palpa	On Time	100	211	DH, Tanahun	No Reporting	0
118	PCH, Nawalparasi	On Time	100	212	WRH, Kaski	On Time	100
119	PBH, Kapilbastu	No Reporting	75	214	DH, Gulmi	No Reporting	0
120	LZH, Rupandehi	On Time	100	215	DZH, Baglung	On Time	100
121	RSRH Dang	No Reporting	75	218	DH, Manang	On Time	100
122	MWRH, Surkhet	On Time	100	219	DH, Mustang	No Reporting	0
123	BZH, Banke	No Reporting	0	220	DH, Pyuthan	On Time	100
124	SZH, Kailali	No Reporting	0	221	DH, Rolpa	No Reporting	0
125	MZH, Kanchanpur	On Time	100	229	DH, Achham	On Time	100
126	DH, Doti	On Time	100	230	DH, Baitadi	No Reporting	0
127	DH, Bardiya	On Time	100	235	DH, Panchthar	On Time	100
128	DH, Mahottari	No Reporting	0	236	DH, Therauthum	On Time	100
129	DH, Dadeldhura	No Reporting	0	237	DH, Bhojpur	No Reporting	0
130	DH, Rasuwa	On Time	100	238	DH, Khotang	No Reporting	0
131	DH, Sankhuwasabha	On Time	100	240	DH, Udayapur	No Reporting	0
132	AMDA Hosp., Jhapa	On Time	100	301	Bayalpata Hosp., Achham	On Time	100
133	DH, Chautara	On Time	100				
134	DH, Sarlahi	No Reporting	75				
						<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.