

# Early Warning and Reporting System (EWARS)

# Weekly Bulletin

(19<sup>th</sup> Epidemiological Week)

## 21 May 2017



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This bulletin includes the updates from the Early Warning Reporting System (EWARS). It includes data since January 2017 till date, including comparison of same period during last year.

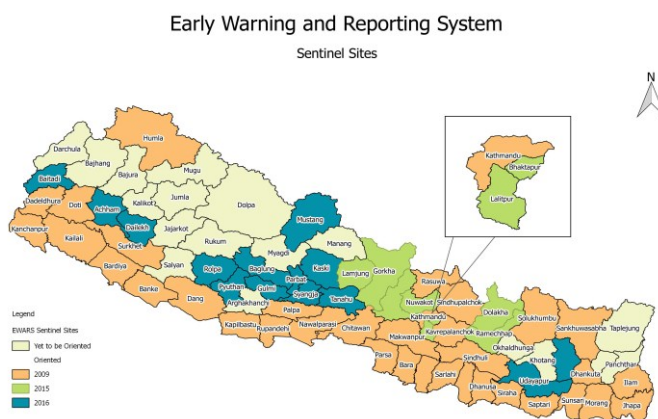
## Section 1: The Early Warning and Reporting System (EWARS)

### Highlights

- **Kala-azar:** Ten cases of Kala-azar are reported this week, 4 from Sukraraj Tropical and Infectious Disease Hospital, Teku, 2 from BPKIHS, Dharan, 2 from Bayalpata Hospital, Achham, 1 from Ramkumar Umasankar Hospital, Siraha and 1 from Lumbini Zonal Hospital, Rupandehi. The cases are from Bara, Sarlahi, Makawanpur, Kathmandu, Mahottari, Siraha, Achham and Palpa district.
- **Malaria:** Two cases of Malaria (*Plasmodium Vivax*) are reported this week, one each from Prithvi Bir Hospital, Kapilbastu and Lumbini Zonal Hospital, Rupandehi and the cases are from Kapilbastu and Palpa district respectively.
- **SARI:** One death from SARI is reported this week from Kanti Children Hospital, Kathmandu and the deceased was from Kathmandu district.
- **Enteric fever:** One death from Enteric Fever is reported this week from United Mission Hospital, Palpa and the deceased was from Kaseni VDC of Palpa district
- **Scrub typhus:** two cases of Scrub typhus are reported from United Mission Hospital, Palpa and the cases are from Syangja and Gulmi district.
- No case of Dengue is reported this week.

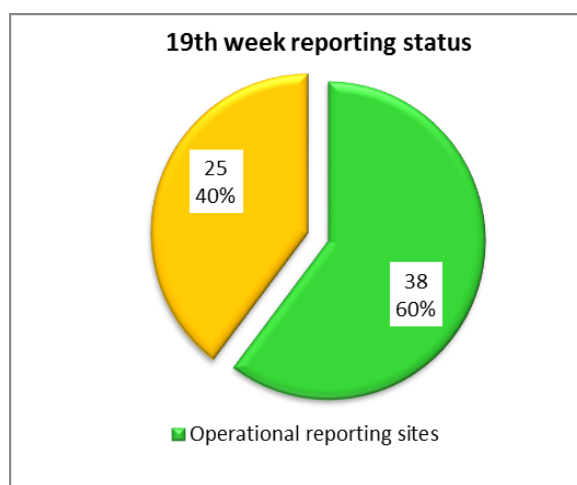
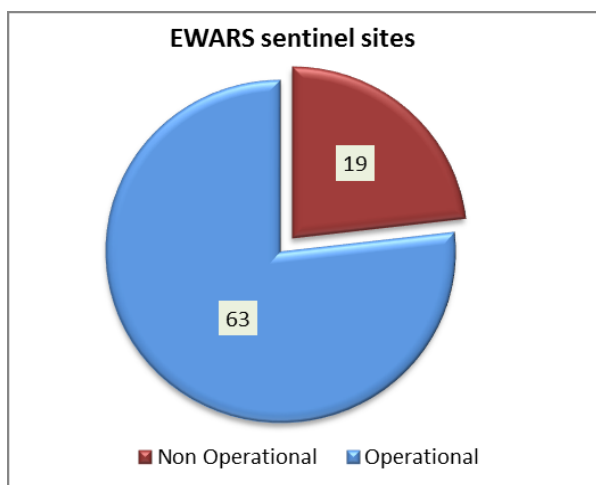
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs) 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 63 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

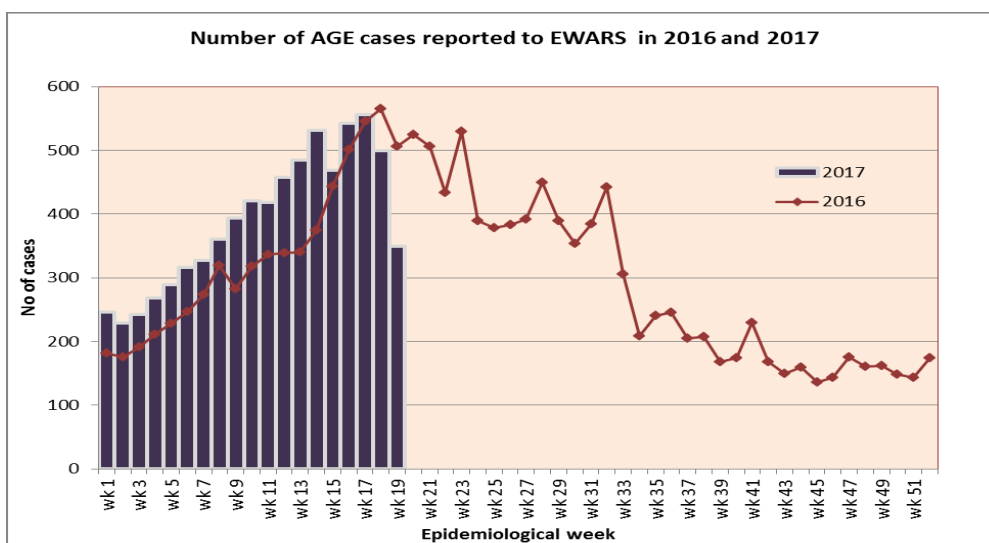
Out of 63 functional EWARS sentinel sites, report was received from 38 sentinel sites (60 percent) whereas 25 sentinel sites did not report in 19<sup>th</sup> Epidemiological week of 2017. The reporting coverage is decreased as compared to the previous week.



### 1.1 Acute Gastro-Enteritis and Cholera

349 cases of AGE are reported in 19<sup>th</sup> epidemiological week of 2017. Among 349 cases, the majority of cases are from Kanchanpur (48 cases), Bara (23 cases), Pyuthan (22 cases), Kathmandu (22 cases), Dolakha (20 cases), Kapilbastu (20 cases), Rupandehi (18 cases), Achham (17 cases), Jhapa (12 cases) and Morang (11 cases) district. The number of AGE cases reported in 19<sup>th</sup> week this year did not exceed the number of AGE cases reported in the same week last year (506 cases).

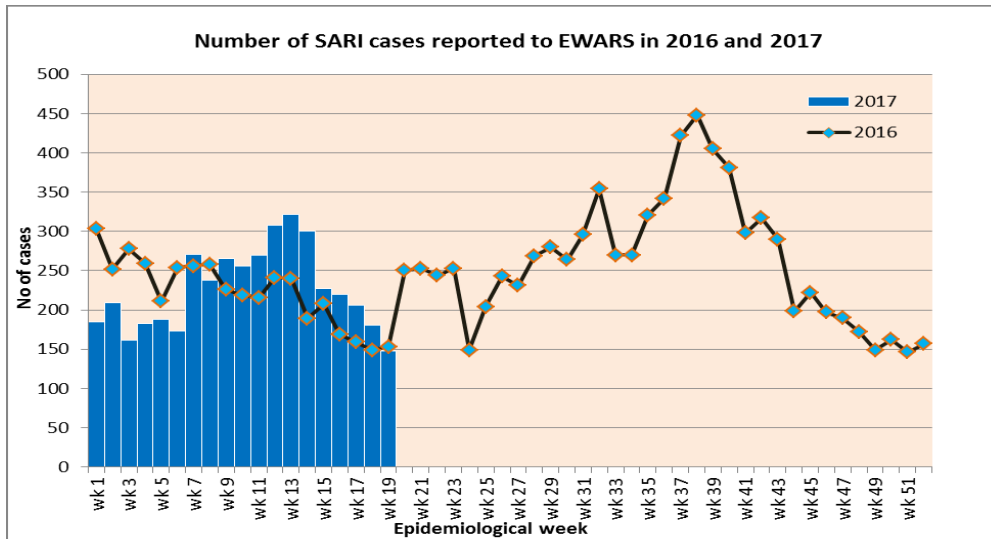
No death from AGE is reported this week. Six deaths from AGE are reported so far this year. Thirteen deaths from AGE were reported in 2016.



## 1.2 Severe Acute Respiratory Infection (SARI)

148 cases of SARI are reported in 19<sup>th</sup> epidemiological week of 2017. The cases of SARI reported this week did not exceed the number reported in the same week last year (153 cases). Among 148 cases, the majority of cases are from Rupandehi (17 cases), Morang (16 cases), Jhapa (13 cases), Panchthar (14 cases), Lalitpur (12 cases), Dhankuta (8 cases), Kathmandu (8 cases), Siraha (7 cases) and Kanchanpur (6 cases) district.

One death from SARI is reported this week from Kanti Children Hospital, Kathmandu and the deceased was from Kathmandu district. Thirty deaths from SARI are reported so far this year. Seventy deaths from SARI were reported in 2016.



## 1.3 Enteric Fever

24 cases of Enteric fever are reported this week, including 6 from Kavre and 2 each from Dang, Dhading, Kathmandu, Nawalparasi, Ramechhap and Siraha district. One death from Enteric Fever is reported this week from United Mission Hospital, Palpa and the deceased was from Kaseni VDC of Palpa district.

## 1.4 Malaria

Two cases of Malaria (*Plasmodium Vivax*) are reported this week, one each from Prithvi Bir Hospital, Kapilbastu and Lumbini Zonal Hospital, Rupandehi and the cases are from Kapilbastu and Palpa district respectively. Twelve cases of malaria are reported so far this year. Eighty three cases of Malaria were reported through EWARS in 2016.

## 1.5 Dengue

No case of Dengue is reported this week. Four cases of Dengue are reported so far this year.

## 1.6 Kala-azar

Ten cases of Kala-azar are reported this week, 4 from Sukraraj Tropical and Infectious Disease Hospital, Teku, 2 from BPKIHS, Dharan, 2 from Bayalpata Hospital, Achham, 1 from Ramkumar Umasankar Hospital, Siraha and 1 from Lumbini Zonal Hospital, Rupandehi. The cases are from Bara, Sarlahi, Makawanpur, Kathmandu, Mahottari, Siraha, Achham and Palpa district.

One hundred thirteen cases of Kala-azar cases are reported so far this year. 150 cases of Kala-azar were reported through EWARS in 2016.

## 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	73
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	94
104	BPKIHS, Dharan	On Time	100	138	DH, Solukhumbu	No reporting	70
105	DH, Dhankuta	On Time	100	139	DH, Dolpa	No Reporting	0
106	SZH, Saptari	No Reporting	52	140	DH, Humla	No Reporting	0
107	RKUP Lahan, Siraha	On Time	100	201	L. Comm DH, Lamjung	On Time	100
108	DH, Siraha	On time	100	202	DH, Dhading	No Reporting	0
109	JZH, Dhanusha	No reporting	94	203	DH, Ramechhap	On Time	100
110	DH, Rautahat	On Time	100	204	Bhaktapur Hospital	No Reporting	0
111	DH, Bara	On Time	100	205	Patan Hospital, Lalitpur	On Time	100
112	NSRH, Parsa	No Reporting	94	206	DH, Gorkha	On Time	100
113	DH, Makawanpur	On Time	94	207	DH Trishuli , Nuwakot	No Reporting	0
114	NZH, Chitwan	No Reporting	84	208	Charikot PHCC, Dolakha	On Time	100
115	Kanti CH, Kathmandu	On Time	100	209	Jiri H, Dolakha	On Time	100
116	STH, Kathmandu	On Time	100	210	DH, Syangja	No Reporting	0
117	UMH, Palpa	On Time	100	211	DH, Tanahun	No reporting	89
118	PCH, Nawalparasi	On Time	100	212	WRH, Kaski	No reporting	89
119	PBH, Kapilvastu	On Time	100	214	DH, Gulmi	No Reporting	73
120	LZH, Rupandehi	On Time	100	215	DZH, Baglung	No reporting	94
121	RSRH Dang	On Time	94	219	DH, Mustang	No Reporting	30
122	MWRH, Surkhet	On Time	100	220	DH, Pyuthan	On Time	100
123	BZH, Banke	No reporting	84	221	DH, Rolpa	No Reporting	5
124	SZH, Kailali	No Reporting	0	229	DH, Achham	On Time	100
125	MZH, Kanchanpur	On Time	100	230	DH, Baitadi	No reporting	94
126	DH, Doti	On Time	100	235	DH, Panchthar	On Time	84
127	DH, Bardiya	On Time	100	237	DH, Bhojpur	No Reporting	73
128	DH, Mahottari	On Time	100	238	DH, Khotang	No Reporting	50
129	DH, Dadeldhura	No Reporting	0	240	DH, Udayapur	No Reporting	0
130	DH, Rasuwa	On Time	21	301	Bayalpata Hosp., Achham	On Time	100
131	DH, Sankhuwasabha	On Time	89				
132	AMDA Hosp., Jhapa	On Time	100			Excellent (>80)	
133	DH, Chautara	On Time	100			Satisfactory (50-79)	
134	DH, Sarlahi	No reporting	84			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 NHSSP, WHO for preparation of this bulletin.

**Note:** EWARS reporting form (in MS Excel format) is available at EDCCD's official website [www.edcd.gov.np](http://www.edcd.gov.np). This bulletin is also available at the website.