

**Early Warning and Reporting System (EWARS)**  
**Weekly Bulletin**  
(17<sup>th</sup> Epidemiological Week)  
**7 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:** Six cases of Kala-azar are reported this week, 3 from BPKIHS, Dharan, 2 from Sukraraj Tropical and Infectious Disease Hospital, Teku and one from Bayalpata Hospital, Achham. The cases are from Surkhet, Mahottari, Morang, Sarlahi, Kanchanpur and Bajura district respectively.
- **Malaria:** Three cases of Malaria (*Plasmodium Vivax*) are reported this week, one each from Sukraraj Tropical and Infectious Disease Hospital, Teku, District Hospital, Pyuthan and Bayalpata Hospital, Achham. The cases are from Sarlahi, Nawalparasi and Achham District respectively.
- **SARI:** One death from SARI is reported this week from Koshi Zonal Hospital, Morang and the deceased was from Biratnagar Sub-Metropolitan city.
- No case of Dengue is reported this week.
- No death from AGE is reported this week.

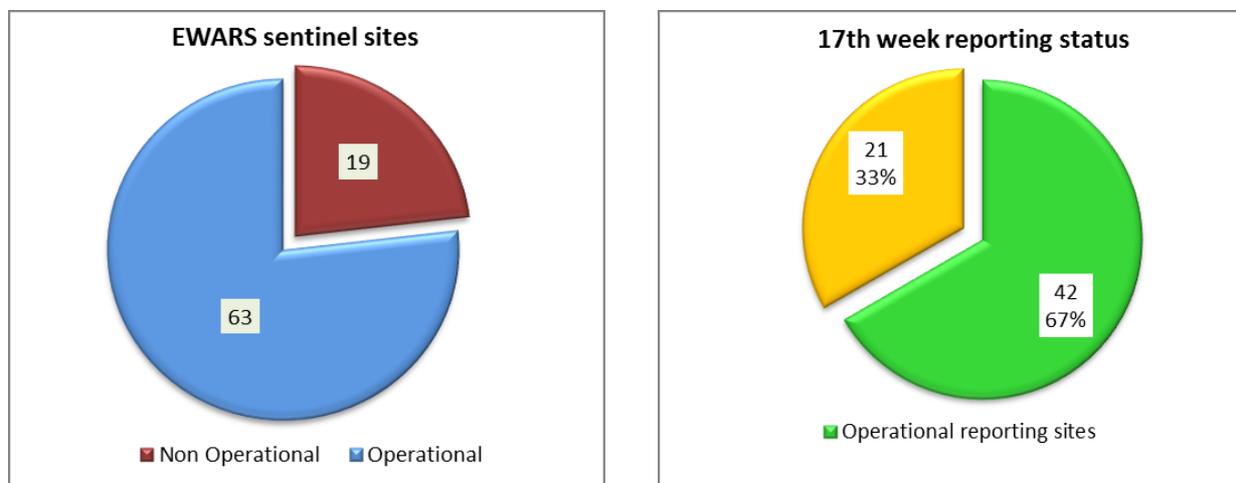
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs)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

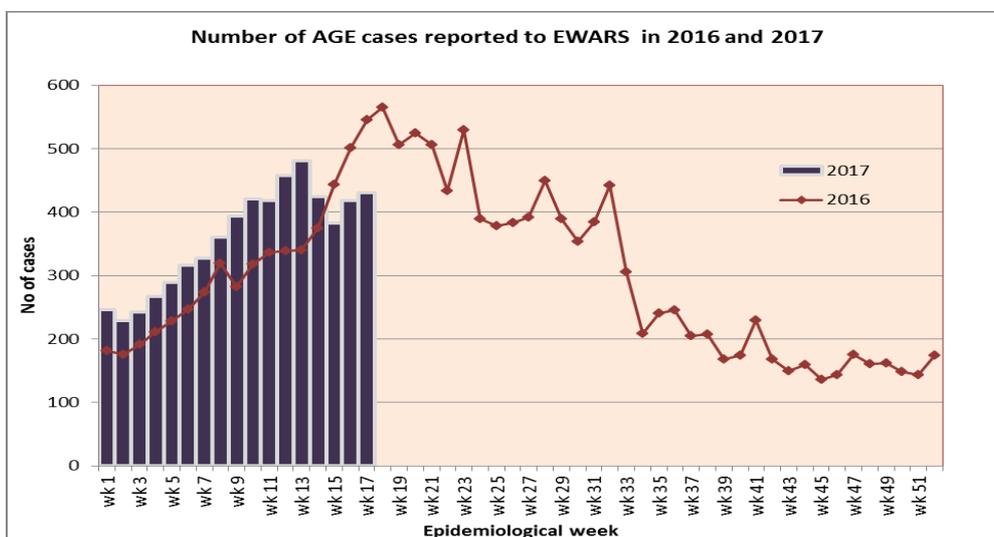
Out of 63 functional EWARS sentinel sites, report was received from 42 sentinel sites (67 percent) whereas 21 sentinel sites did not report in 17<sup>th</sup> Epidemiological week of 2017. The reporting coverage is same as compared to the previous week.



### 1.1 Acute Gastro-Enteritis and Cholera

431 cases of AGE are reported in 17<sup>th</sup> epidemiological week of 2017. Among 431 cases, the majority of cases are from Kanchanpur (71 cases), Dolakha (33 cases), Kapilbastu (27 cases), Pyuthan (23 cases), Kathmandu (21 cases), Rolpa (20 cases), Achham (19 cases), Jhapa (16 cases), Rupandehi (14 cases), Lamjung (13 cases), Makwanpur (13 cases) and Morang (11 cases) district. The number of AGE cases reported in 17<sup>th</sup> week this year did not exceed the number of AGE cases reported in the same week last year (546 cases).

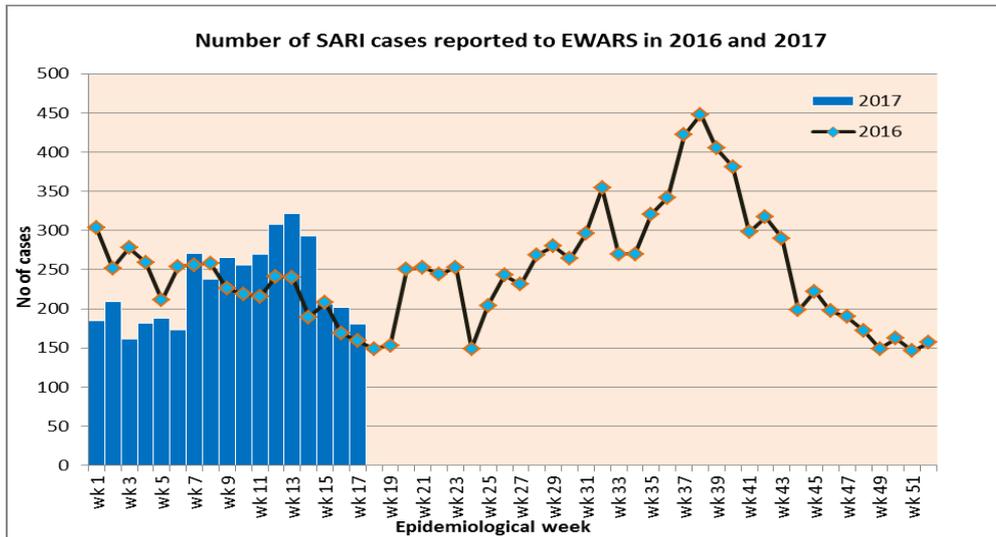
No death from AGE is reported this week. Three deaths from AGE are reported so far this year. Thirteen deaths from AGE were reported in 2016.



## 1.2 Severe Acute Respiratory Infection (SARI)

180 cases of SARI are reported in 17<sup>th</sup> epidemiological week of 2017. The cases of SARI reported this week slightly exceed the number reported in the same week last year (159 cases). Among 180 cases, the majority of cases are from Morang (24 cases), Baitadi (18 cases), Lalitpur (18 cases), Jhapa (17 cases), Panchthar (14 cases), Rupandehi (10 cases), Kathmandu (6 cases), Gorkha (6 cases) and Sunsari (6 cases) district.

One death from SARI is reported this week from Koshi Zonal Hospital, Morang and the deceased was from Biratnagar Sub-Metropolitan city. Twenty-eight deaths from SARI are reported so far this year. Seventy deaths from SARI were reported in 2016.



## 1.3 Enteric Fever

21 cases of Enteric fever are reported this week, including 3 from Kavre, 3 from Lamjung, and 2 each from Baglung, Kaski, Morang and Siraha district.

## 1.4 Malaria

Three cases of Malaria (*Plasmodium Vivax*) are reported this week, one each from Sukraraj Tropical and Infectious Disease Hospital, Teku, District Hospital, Pyuthan and Bayalpata Hospital, Achham. The cases are from Sarlahi, Nawalparasi and Achham District respectively. Ten 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

Six cases of Kala-azar are reported this week, 3 from BPKIHS, Dharan, 2 from Sukraraj Tropical and Infectious Disease Hospital, Teku and one from Bayalpata Hospital, Achham. The cases are from Surkhet, Mahottari, Morang, Sarlahi, Kanchanpur and Bajura district respectively.

Ninety five 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	82
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	On Time	63
105	DH, Dhankuta	On Time	100	139	DH, Dolpa	No Reporting	0
106	SZH, Saptari	No Reporting	58	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	76	205	Patan Hospital, Lalitpur	On Time	100
112	NSRH, Parsa	No Reporting	76	206	DH, Gorkha	On Time	100
113	DH, Makawanpur	On Time	94	207	DH Trishuli , Nuwakot	No Reporting	0
114	NZH, Chitwan	No Reporting	94	208	Charikot PHCC, Dolakha	On Time	100
115	Kanti CH, Kathmandu	On Time	100	209	Jiri H, Dolakha	No reporting	88
116	STH, Kathmandu	On Time	100	210	DH, Syangja	No Reporting	0
117	UMH, Palpa	On Time	100	211	DH, Tanahun	On Time	100
118	PCH, Nawalparasi	No Reporting	70	212	WRH, Kaski	On Time	100
119	PBH, Kapilvastu	On Time	100	214	DH, Gulmi	No Reporting	76
120	LZH, Rupandehi	On Time	100	215	DZH, Baglung	On Time	100
121	RSRH Dang	On Time	94	219	DH, Mustang	No Reporting	40
122	MWRH, Surkhet	On Time	100	220	DH, Pyuthan	On Time	100
123	BZH, Banke	No reporting	94	221	DH, Rolpa	On Time	5
124	SZH, Kailali	No Reporting	0	229	DH, Achham	On Time	100
125	MZH, Kanchanpur	On Time	100	230	DH, Baitadi	On Time	100
126	DH, Doti	On Time	100	235	DH, Panchthar	On Time	76
127	DH, Bardiya	No reporting	88	237	DH, Bhojpur	No Reporting	58
128	DH, Mahottari	No reporting	88	238	DH, Khotang	On time	50
129	DH, Dadeldhura	No Reporting	0	240	DH, Udayapur	No Reporting	0
130	DH, Rasuwa	On Time	11	301	Bayalpata Hosp., Achham	On Time	100
131	DH, Sankhuwasabha	On Time	81				
132	AMDA Hosp., Jhapa	On Time	100			Excellent (>80)	
133	DH, Chautara	On Time	100			Satisfactory (50-79)	
134	DH, Sarlahi	On Time	100			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 EDCD's official website [www.edcd.gov.np](http://www.edcd.gov.np). This bulletin is also available at the website.