

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

# **Weekly Bulletin**

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

**12 November 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

- **Dengue:** A total of 1743 Dengue cases have been reported from 27 different districts since January 2017, out of which 543 cases from Jhapa, 438 from Mahottari, 384 from Rupandehi and 130 from Sarlahi district.
- **Kala-azar:** One case of Kala-azar is reported this week from Mid-Western regional Hospital, Surkhet and the case is from Surkhet district.
- **Malaria:** Two cases of Malaria (*Plasmodium vivax*) are reported this week, one each from Sukraraj Tropical and Infectious Disease Hospital, Kathmandu and Kanti Children Hospital, Kathmandu and the cases are from Mahottari and Siraha district.
- **Scrub Typhus:** 16 cases of Scrub Typhus are reported this week, 5 Lumbini Zonal Hospital, Rupandehi, 5 from Sukraraj Tropical and Infectious Disease Hospital, Kathmandu, 4 from Kanti Children Hospital, Kathmandu and two from United Mission Hospital, Palpa.
- One death from Enteric Fever is reported this week from Narayani Zonal Hospital, Chitwan and the deceased was from Chitwan district.

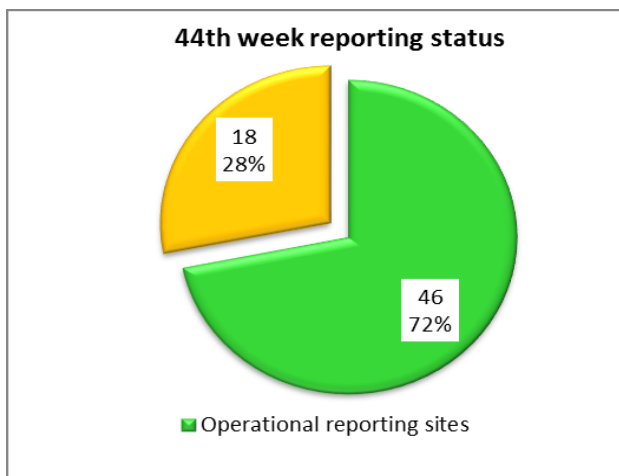
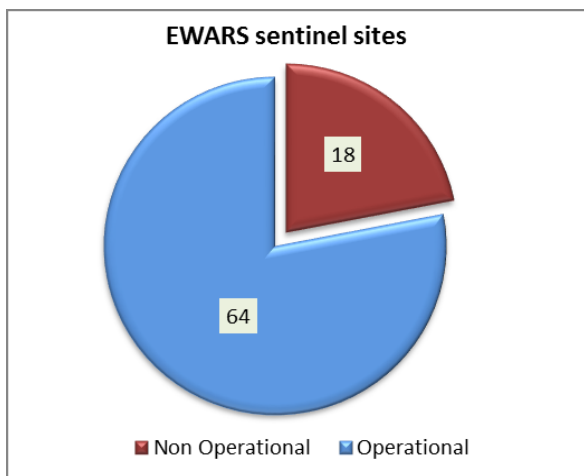
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs) 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 64 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

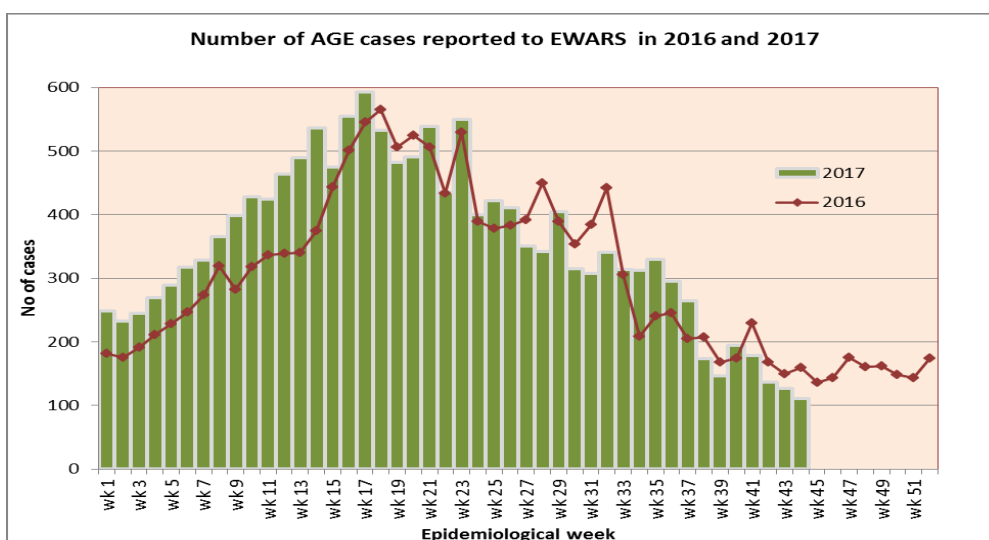
Out of 64 functional EWARS sentinel sites, report was received from 46 sentinel sites (72 percent) whereas 18 sentinel sites did not report in 44<sup>th</sup> Epidemiological week of 2017. The reporting coverage is increase as compared to the previous week.



### 1.1 Acute Gastro-Enteritis and Cholera

111 cases of AGE are reported in 44<sup>th</sup> epidemiological week of 2017. Among 111 cases, the majority of cases are from Bara (8 cases), Siraha (8 cases), Jhapa (6 cases), Dolakha (5 cases), Kanchanpur (5 cases), Morang (5 cases), Sarlahi (5 cases) and Sunsari (4 cases) district. The number of AGE cases reported in 44<sup>th</sup> week this year did not exceed the number of AGE cases reported in the same week last year (159 cases).

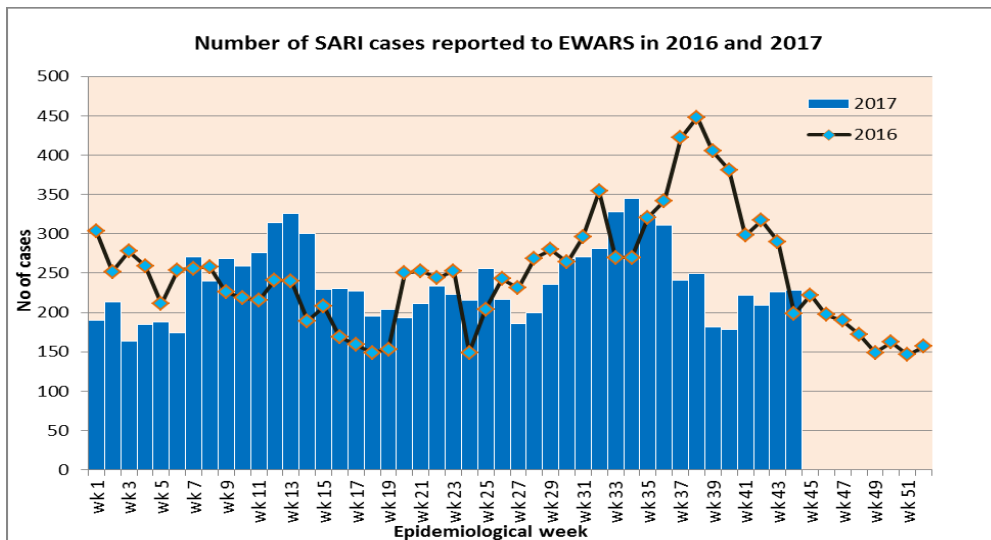
No death from AGE is reported this week. Seventeen deaths from AGE are reported so far this year. Thirteen deaths from AGE were reported in 2016.



## 1.2 Severe Acute Respiratory Infection (SARI)

228 cases of SARI are reported in 44<sup>th</sup> epidemiological week of 2017. The cases of SARI reported this week exceed the number reported in the same week last year (198 cases). Among 228 cases, the majority of cases are from Palpa (20 cases), Jhapa (18 cases), Morang (18 cases), Dang (17 cases), Sunsari (16 cases), Dhankuta (11 cases), Gulmi (11 cases), Rupandehi (10 cases), Siraha (10 cases) and Panchthar (9 cases) district.

No death from SARI is reported this week. Seventy two deaths from SARI are reported so far this year. Seventy deaths from SARI were reported in 2016.



## 1.3 Enteric Fever

48 cases of Enteric fever are reported this week, including 8 from Kaski, 5 from Kathmandu, 4 from Sindhuli, 4 from Syangja and 3 from Nawalparasi district. One death from Enteric Fever is reported this week from Narayani Zonal Hospital, Chitwan and the deceased was from Chitwan district. Three deaths from Enteric Fever are reported so far this year.

## 1.4 Malaria

Two cases of Malaria (*Plasmodium vivax*) are reported this week, one each from Sukraraj Tropical and Infectious Disease Hospital, Kathmandu and Kanti Children Hospital, Kathmandu and the cases are from Mahottari and Siraha district.

Eighty seven cases of Malaria are reported so far this year. Eighty three cases of Malaria were reported through EWARS in 2016.

## 1.5 Dengue

A total of 1743 Dengue cases have been reported from 28 different districts since January 2017, out of which 543 cases from Jhapa, 438 from Mahottari, 384 from Rupandehi, 130 from Sarlahi, 67 from Dhading, , 29 from Kapilbastu, 27 from Dhanusha, 23 from Chitwan, 20 from Nawalparasi, 13 from Arghakhanchi , 12 from Rautahat, 10 from Gulmi , 9 from Dang, 9 from Pyuthan , 7 from Palpa, 4 from Rolpa , 3 from Makawanpur, 3 from Baglung, 2 from Bara, 2 from Surkhet and one each from Syangja, Dailekh, Banke, Bhaktapur, Kathmandu, Achham, Gorkha and Kaski.

## 1.6 Kala-azar

One case of Kala-azar is reported this week from Mid-Western regional Hospital, Surkhet and the case is from Surkhet district.

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

## 1.7 Scrub Typhus

16 cases of Scrub Typhus are reported this week, 5 Lumbini Zonal Hospital, Rupandehi, 5 from Sukraraj Tropical and Infectious Disease Hospital, Kathmandu, 4 from Kanti Children Hospital, Kathmandu and two from United Mission Hospital, Palpa. The cases are from Palpa, Chitwan, Dhading, Dhanusha, Gulmi, Nawalparasi, Rupandehi, Pyuthan, Bara, Bardiya, Dang and Kathmandu. 417 cases of Scrub Typhus are reported so far this year.

### 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	On Time	97
102	Koshi ZH, Morang	On Time	100	136	DH, Illam	On Time	100
103	DH, Sunsari	On Time	100	137	Dhulikhel H., Kavre	No reporting	88
104	BPKIHS, Dharan	No Reporting	97	138	DH, Solukhumbu	On Time	50
105	DH, Dhankuta	On Time	100	139	DH, Dolpa	No Reporting	0
106	SZH, Saptari	No Reporting	30	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	38
109	JZH, Dhanusha	On Time	90	203	DH, Ramechhap	On Time	100
110	DH, Rautahat	On Time	95	204	Bhaktapur Hospital	No reporting	20
111	DH, Bara	On Time	100	205	Patan Hospital, Lalitpur	On Time	100
112	NSRH, Parsa	On Time	82	206	DH, Gorkha	On Time	100
113	DH, Makawanpur	On Time	100	207	DH Trishuli, Nuwakot	No Reporting	0
114	NZH, Chitwan	On Time	97	208	Charikot PHCC, Dolakha	On Time	100
115	Kanti CH, Kathmandu	On Time	100	209	Jiri H, Dolakha	On Time	98
116	STH, Kathmandu	On Time	100	210	DH, Syangja	On Time	100
117	UMH, Palpa	On Time	100	211	DH, Tanahun	No Reporting	90
118	PCH, Nawalparasi	On Time	100	212	WRH, Kaski	On Time	100
119	PBH, Kapilbastu	On Time	100	214	DH, Gulmi	On Time	100
120	LZH, Rupandehi	On Time	100	215	DZH, Baglung	On Time	100
121	RSRH Dang	On Time	95	218	DH, Manang	On Time	52
122	MWRH, Surkhet	On Time	100	219	DH, Mustang	On Time	75
123	BZH, Banke	No reporting	75	220	DH, Pyuthan	On Time	100
124	SZH, Kailali	No Reporting	45	221	DH, Rolpa	No Reporting	10
125	MZH, Kanchanpur	On Time	100	229	DH, Achham	On Time	100
126	DH, Doti	No Reporting	85	230	DH, Baitadi	On Time	85
127	DH, Bardiya	On Time	100	235	DH, Panchthar	On Time	100
128	DH, Mahottari	No Reporting	32	237	DH, Bhojpur	No Reporting	20
129	DH, Dadeldhura	No Reporting	0	238	DH, Khotang	No reporting	45
130	DH, Rasuwa	No Reporting	40	240	DH, Udayapur	No Reporting	0

131	DH, Sankhuwasabha	On Time	85	301	Bayalpata Hosp., Achham	On Time	100
132	AMDA Hosp., Jhapa	On Time	100				
133	DH, Chautara	On Time	100				
134	DH, Sarlahi	On Time	97				
						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.