

**Early Warning and Reporting System (EWARS)**  
**Weekly Bulletin**  
(43<sup>rd</sup> Epidemiological Week)  
**5 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 1429 Dengue cases have been reported from 27 different districts since January 2017, out of which 526 cases from Jhapa, 438 cases from Mahottari, 158 from Rupandehi and 130 cases from Sarlahi district.
- **Kala-azar:** Three cases of Kala-azar are reported this week, two from Kanti Children Hospital, Kathmandu and one from United Mission Hospital, Palpa. The cases are from Dolpa, Rolpa and Palpa district.
- **Malaria:** Three cases of Malaria (*Plasmodium vivax*) are reported this week, two from Mahakali Zonal Hospital, Kanchanpur and one from Lumbini Zonal Hospital, Rupandehi. The cases are from Kanchanpur and Nawalparasi district. Similarly one case of Malaria (*Plasmodium falciparum*) is reported from Mechi Zonal Hospital, Jhapa and the case is from Jhapa district.
- **Scrub Typhus:** 16 cases of Scrub Typhus are reported this week, 7 from United Mission Hospital, Palpa, 4 from Kanti Children Hospital, Kathmandu, 3 from Lumbini Zonal Hospital, Rupandehi and one each from Mahakali Zonal Hospital, Kanchanpur and District Hospital, Dhankuta.
- **SARI:** Two deaths from SARI are reported this week, one each from United Mission Hospital, Palpa and District Hospital, Sankhuwasabha. The deceased were from Palpa and Sankhuwasabha district respectively.

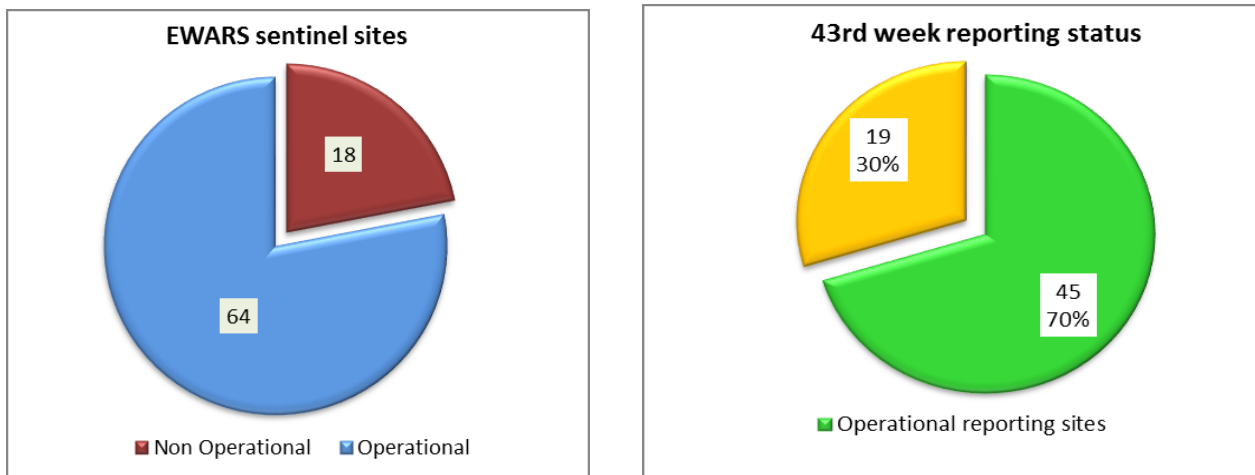
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs)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

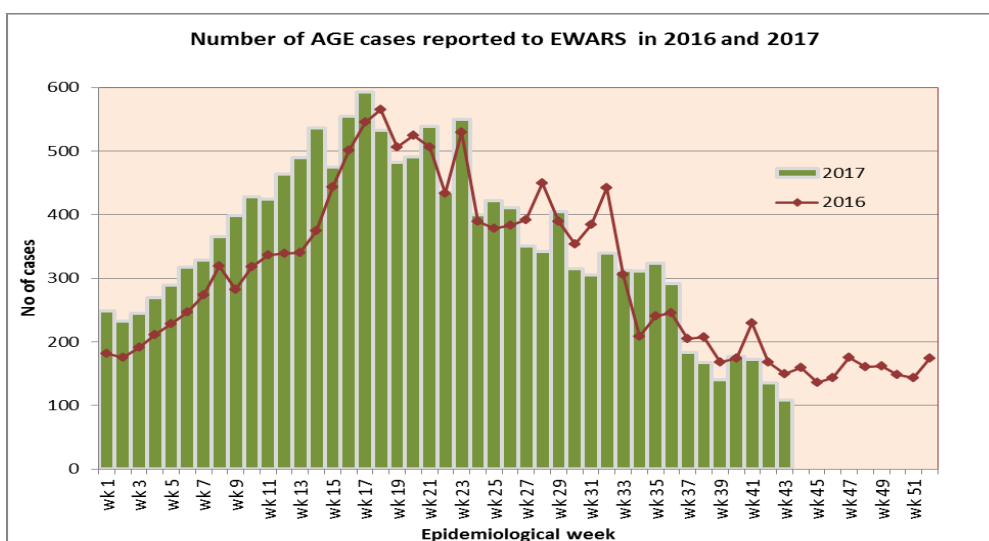
Out of 64 functional EWARS sentinel sites, report was received from 45 sentinel sites (70 percent) whereas 19 sentinel sites did not report in 43<sup>rd</sup> Epidemiological week of 2017. The reporting coverage is increase as compared to the previous week.



### 1.1 Acute Gastro-Enteritis and Cholera

109 cases of AGE are reported in 43<sup>rd</sup> epidemiological week of 2017. Among 109 cases, the majority of cases are from Dhanusha (17 cases), Kapilbastu (9 cases), Jhapa (9 cases), Kathmandu (5 cases), Lamjung (5 cases), Siraha (5 cases), Mahottari (4 cases), Rupandehi (4 cases) district. The number of AGE cases reported in 43<sup>rd</sup> week this year did not exceed the number of AGE cases reported in the same week last year (150 cases).

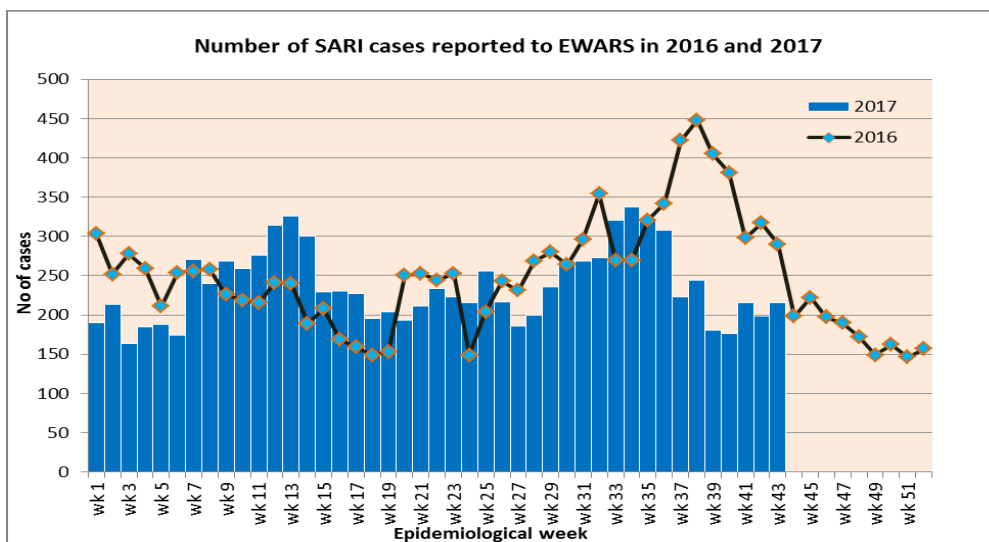
No death from AGE is reported this week. Seventeen deaths from AGE are reported so far this year. Thirteen deaths from AGE were reported in 2016.



## 1.2 Severe Acute Respiratory Infection (SARI)

215 cases of SARI are reported in 43<sup>rd</sup> epidemiological week of 2017. The cases of SARI reported this week did not exceed the number reported in the same week last year (290 cases). Among 215 cases, the majority of cases are from Jhapa (32 cases), Morang (20 cases), Palpa (13 cases), Rupandehi (11 cases), Kanchanpur (10 cases), Siraha (9 cases), Sunsari (9 cases), Syangja (8 cases), Illam (8 cases) and Dhankuta (8 cases) district.

Two deaths from SARI are reported this week, one each from United Mission Hospital, Palpa and District Hospital, Sankhuwasabha. The deceased were from Palpa and Sankhuwasabha district respectively. Seventy two deaths from SARI are reported so far this year. Seventy deaths from SARI were reported in 2016.



## 1.3 Enteric Fever

71 cases of Enteric fever are reported this week, including 14 from Kaski, 7 from Dhading, 7 from Lamjung, 7 from Sindhuli, 5 from Kathmandu and 4 from Palpa district. Two deaths from Enteric Fever are reported so far this year.

## 1.4 Malaria

Three cases of Malaria (*Plasmodium vivax*) are reported this week, two from Mahakali Zonal Hospital, Kanchanpur and one from Lumbini Zonal Hospital, Rupandehi. The cases are from Kanchanpur and Nawalparasi district. Similarly one case of Malaria (*Plasmodium falciparum*) is reported from Mechi Zonal Hospital, Jhapa and the case is from Jhapa district.

Eighty five 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 1429 Dengue cases have been reported from 18 different districts since January 2017, out of which 526 cases from Jhapa, 438 from Mahottari, 158 from Rupandehi, 130 from Sarlahi, 67 from Dhading, 23 from Chitwan, 17 from Kapilbastu, 12 from Dhanusha, 12 from Rautahat, 8 from Nawalparasi, 5 from Dang, 5 from Arghakhanchi, 5 from Palpa, 4 from Gulmi, 3 from Makawanpur, 3 from Pyuthan, 2 from Rolpa, 2 from Bara and one each from Syangja, Surkhet, Dailekh, Bhaktapur, Kathmandu, Baglung, Achham, Gorkha and Kaski.

## 1.6 Kala-azar

Three cases of Kala-azar are reported this week, two from Kanti Children Hospital, Kathmandu and one from United Mission Hospital, Palpa. The cases are from Dolpa, Rolpa and Palpa district.

One hundred ninety one 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, 7 from United Mission Hospital, Palpa, 4 from Kanti Children Hospital, Kathmandu, 3 from Lumbini Zonal Hospital, Rupandehi and one each from Mahakali Zonal Hospital, Kanchanpur and District Hospital, Dhankuta. The cases are from Palpa, Chitwan, Dhading, Dhankuta, Dhanusha, Gulmi, Kanchanpur, Nawalparasi, Rautahat, Rupandehi and Pyuthan. 408 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	On Time	90
104	BPKIHS, Dharan	On Time	100	138	DH, Solukhumbu	No reporting	44
105	DH, Dhankuta	On Time	100	139	DH, Dolpa	No Reporting	0
106	SZH, Saptari	No Reporting	35	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	On Time	40
109	JZH, Dhanusha	On Time	90	203	DH, Ramechhap	On Time	100
110	DH, Rautahat	On Time	95	204	Bhaktapur Hospital	No reporting	22
111	DH, Bara	On Time	100	205	Patan Hospital, Lalitpur	On Time	100
112	NSRH, Parsa	On Time	80	206	DH, Gorkha	On Time	100
113	DH, Makawanpur	On Time	97	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	No Reporting	98
116	STH, Kathmandu	On Time	100	210	DH, Syangja	On Time	100
117	UMH, Palpa	On Time	100	211	DH, Tanahun	On Time	94
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	No reporting	70	218	DH, Manang	No Reporting	48
122	MWRH, Surkhet	On Time	100	219	DH, Mustang	On Time	72
123	BZH, Banke	No reporting	78	220	DH, Pyuthan	On Time	100
124	SZH, Kailali	No Reporting	48	221	DH, Rolpa	No Reporting	10
125	MZH, Kanchanpur	On Time	100	229	DH, Achham	No Reporting	95
126	DH, Doti	No Reporting	88	230	DH, Baitadi	No Reporting	80
127	DH, Bardiya	On Time	100	235	DH, Panchthar	No Reporting	95
128	DH, Mahottari	No Reporting	32	237	DH, Bhojpur	No Reporting	20
129	DH, Dadeldhura	No Reporting	0	238	DH, Khotang	On Time	50
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		Excellent (>80)
134	DH, Sarlahi	On Time	97		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.