# Early Warning and Reporting System (EWARS) Weekly Bulletin

(50th Epidemiological Week)

# **24 December 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.

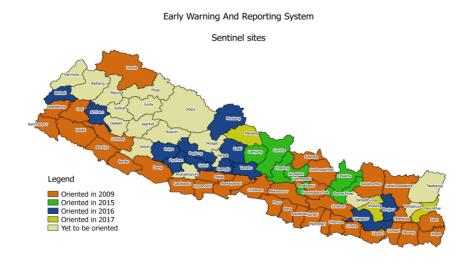
Section 1: The Early Warning and Reporting System (EWARS)

#### Highlights

- Kala-azar: Two cases of Kala azar are reported this week from Sukraraj Tropical and Infectious Disease Hospital, Teku and the cases are from Humla and Dang district.
- **Dengue:** Four cases of Dengue are reported this week, three from Lumbini Zonal Hospital, Rupandehi and one from Narayani Zonal Hospital, Chitwan. The cases are from Chitwan, Kapilbastu and Arghakhanchi district.
- **Scrub typhus:** One case of Scrub typhus is reported this week from Sukraraj Tropical and Infectious Disease Hospital, Teku and the case is from Sarlahi district.
- SARI: One death from SARI is reported this week from Patan hospital, Lalitpur and the deceased was from Kavre district.
- Malaria: No case of Malaria is reported this week.

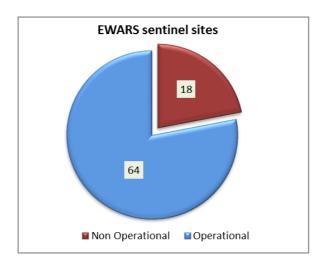
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs)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

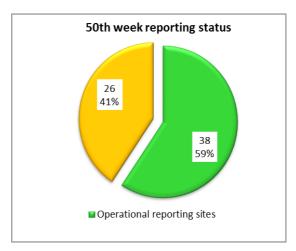
This information system is hospital-based and is currently operational in 64 hospitals (out of 82 sites) throughout Nepal (Figure 1). So far, the EWARS mainly focuses on the **weekly reporting** of number of cases and deaths (including "zero" reports) of six priority diseases/syndromes—Malaria, Kala-azar, 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 38 sentinel sites (59 percent) whereas 26 sentinel sites did not report in 50<sup>th</sup> Epidemiological week of 2017. The reporting coverage is increased as compared to the previous week.

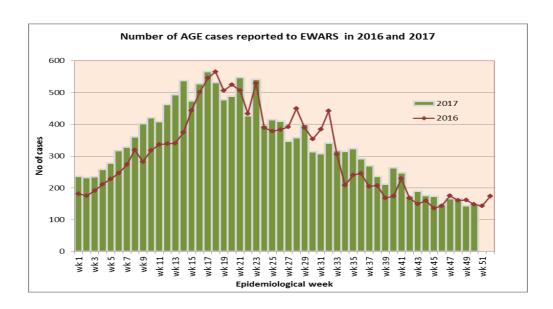




## 1.1 Acute Gastro-Enteritis and Cholera

148 cases of AGE are reported in 50<sup>th</sup> epidemiological week of 2017. Among 148 cases, the majority of cases are from Kapilbastu (11 cases), Dhanusha (10 cases), Siraha (10 cases), Illam (9 cases), Morang (9 cases), Solukhumbu (8 cases), Kanchanpur (8 cases), Dolakha (7 cases) and Kathmandu (7 cases) district. The number of AGE cases reported in 50<sup>th</sup> week this year is same as the compared number of AGE cases reported in the same week last year (148 cases).

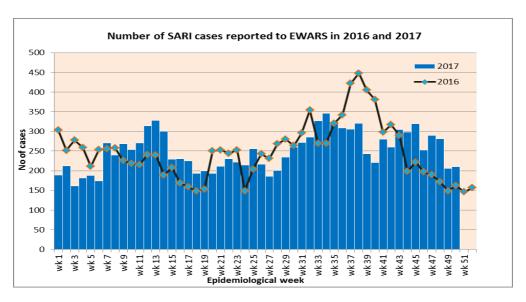
No death from AGE is reported this week. Twenty deaths from AGE are reported so far this year. Thirteen deaths from AGE were reported in 2016.



# 1.2 Severe Acute Respiratory Infection (SARI)

210 cases of SARI are reported in 50<sup>th</sup> epidemiological week of 2017. The cases of SARI reported this week exceed the number reported in the same week last year (162 cases). Among 210 cases, the majority of cases are from Morang (38 cases), Rupandehi (18 cases), Lalitpur (14 cases), Kanchanpur (13 cases), Kathmandu (11 cases), Palpa (10 cases), Gulmi (8 cases) and Sunsari (8 cases) district.

One death from SARI is reported this week from Patan hospital, Lalitpur and the deceased was from Kavre district. Eighty two deaths from SARI are reported so far this year. Seventy deaths from SARI were reported in 2016.



#### 1.3 Enteric Fever

18 cases of Enteric fever are reported this week, including 5 from Kaski, 3 from Chitwan, 2 each from Gulmi and Kathmandu and one each from dang, Dolakha, Lamjung, Ramechhap, Saptari and Tanahun district. Three deaths from Enteric Fever are reported so far this year.

#### 1.4 Malaria

No case of Malaria is reported this week. Ninety one cases of Malaria are reported so far this year. Eighty three cases of Malaria were reported through EWARS in 2016.

## 1.5 Dengue

Four cases of Dengue are reported this week, 3 Lumbini Zonal Hospital, Rupandehi and one from Narayani Zonal Hospital, Chitwan. The cases are from Chitwan, Kapilbastu and Arghakhanchi district.

#### 1.6 Kala-azar

Two cases of Kala azar are reported this week from Sukraraj Tropical and Infectious Disease Hospital, Teku and the cases are from Humla and Dang district.

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

# 1.7 Scrub Typhus

One case of Scrub typhus is reported this week from Sukraraj Tropical and Infectious Disease Hospital, Teku and the case is from Sarlahi district. 450 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	No Reporting	94	135	DH, Sindhuli	Late Reporting	100
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	94
104	BPKIHS, Dharan	No Reporting	96	138	DH, Solukhumbu	On Time	55
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	30
109	JZH, Dhanusha	On Time	100	203	DH, Ramechhap	On Time	100
110	DH, Rautahat	On Time	98	204	Bhaktapur Hospital	No reporting	15
111	DH, Bara	On Time	100	205	Patan Hospital, Lalitpur	On Time	98
112	NSRH, Parsa	No Reporting	94	206	DH, Gorkha	On Time	100
113	DH, Makawanpur	No Reporting	98	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	On Time	98
116	STH, Kathmandu	On Time	100	210	DH, Syangja	On Time	98
117	UMH, Palpa	On Time	100	211	DH, Tanahun	No Reporting	78
118	PCH, Nawalparasi	No Reporting	94	212	WRH, Kaski	On Time	100
119	PBH, Kapilbastu	On Time	100	214	DH, Gulmi	No Reporting	98
120	LZH, Rupandehi	On Time	100	215	DZH, Baglung	On Time	100
121	RSRH Dang	On Time	100	218	DH, Manang	No Reporting	40
122	MWRH, Surkhet	On Time	100	219	DH, Mustang	No Reporting	80
123	BZH, Banke	No reporting	52	220	DH, Pyuthan	On Time	96
124	SZH, Kailali	No Reporting	28	221	DH, Rolpa	No Reporting	10
125	MZH, Kanchanpur	Late reporting	100	229	DH, Achham	No Reporting	98
126	DH, Doti	On Time	97	230	DH, Baitadi	No Reporting	76
127	DH, Bardiya	On Time	100	235	DH, Panchthar	No Reporting	96
128	DH, Mahottari	No Reporting	22	237	DH, Bhojpur	No Reporting	18
129	DH, Dadeldhura	No Reporting	0	238	DH, Khotang	No Reporting	50
130	DH, Rasuwa	No Reporting	38	240	DH, Udayapur	No Reporting	0
131	DH, Sankhuwasabha	On Time	88	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	100			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 <a href="www.edcd.gov.np">www.edcd.gov.np</a>. This bulletin is also available at the website.