# Early Warning and Reporting System (EWARS)

# Weekly Bulletin

(28th Epidemiological Week)

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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**

- Malaria: One case of Malaria (*Plasmodium vivax*) is reported this week from District Hospital, Achham and the case is from Mangalsen VDC of Achham district.
- Kala-azar: Three cases of Kala-azar are reported this week, one each from United Mission Hospital, Palpa, Sukraraj Tropical and Infectious Disease Hospital, Teku, and Ramkumar Umasankar Hospital, Lahan. The cases are from Palpa, Bajura and Saptari district respectively.
- SARI: Five deaths from SARI are reported this week, two each from Kanti Children Hospital, Kathmandu and Lumbini Zonal Hospital, Rupandehi and one from United Mission Hospital, Palpa. The deceased are from Kavre, Siraha, Palpa and Rupandehi district.
- AGE: One death from AGE is reported this week from Kanti Children Hospital, Kathmandu and the deceased was from Janakpur Municipality of Dhanusha District.
- Food Poisoning: Forty-nine people consuming food from feast from Piple of Belkot Gadhi Municipality ward no 5 of Nuwakot district on 16<sup>th</sup> July suffered from diarrhea and vomiting. The situation is under control.

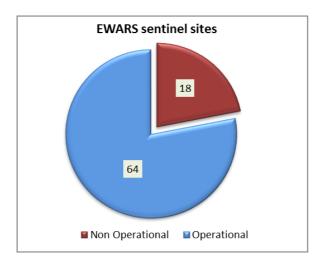
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs)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

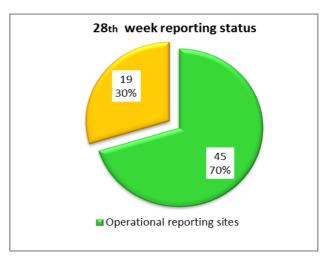
This information system is hospital-based and is currently operational in 64 hospitals (out of 82 sites) throughout Nepal (Figure 1). So far, the EWARS mainly focuses on the **weekly reporting** of number of cases and deaths (including "zero" reports) of six priority diseases/syndromes—Malaria, Kala-azar, 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 28<sup>th</sup> Epidemiological week of 2017. The reporting coverage is same as compared to the previous week.

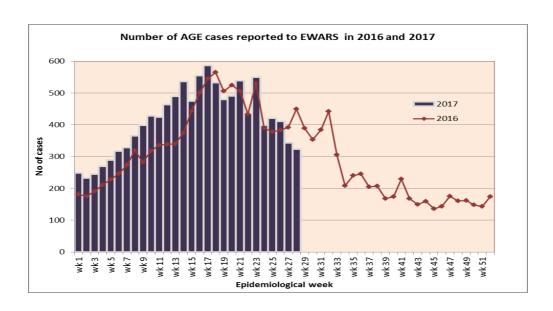




#### 1.1 Acute Gastro-Enteritis and Cholera

324 cases of AGE are reported in 28<sup>th</sup> epidemiological week of 2017. Among 324 cases, the majority of cases are from Parsa (29 cases), Achham (27 cases), Dolakha (22 cases), Pyuthan (16 cases), Kathmandu (15 cases), Kanchanpur (14 cases), Lamjung (14 cases), Bara (10 cases) and Ramechhap (9 cases) district. The number of AGE cases reported in 28<sup>th</sup> week this year did not exceed the number of AGE cases reported in the same week last year (450 cases).

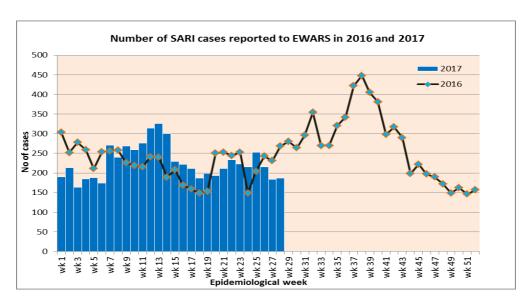
One death from AGE is reported this week from Kanti Children Hospital, Kathmandu and the deceased was from Janakpur Municipality of Dhanusha District. Twelve deaths from AGE are reported so far this year. Thirteen deaths from AGE were reported in 2016.



# 1.2 Severe Acute Respiratory Infection (SARI)

187 cases of SARI are reported in 28<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 (269 cases). Among 187 cases, the majority of cases are from Jhapa (17 cases), Rupandehi (16 cases), Morang (13 cases), Kathmandu (13 cases), Panchthar (12 cases), Parsa (10 cases), Lalitpur (10 cases), Syangja (9 cases) and Palpa (9 cases) district.

Five deaths from SARI are reported this week, two each from Kanti Children Hospital, Kathmandu and Lumbini Zonal Hospital, Rupandehi and one from United Mission Hospital, Palpa. The deceased were from Kavre, Siraha, Rupandehi and Palpa district. Forty five deaths from SARI are reported so far this year. Seventy deaths from SARI were reported in 2016.



#### 1.3 Enteric Fever

60 cases of Enteric fever are reported this week, including 9 from Kaski, 6 from Lamjung, 6 from Kavre, 4 from Bara, 4 from Sindhuli, 4 from Syangja and 4 from Parsa district. One death from Enteric Fever is reported so far this year.

#### 1.4 Malaria

One case of Malaria (*Plasmodium vivax*) is reported this week from District Hospital, Achham and the case is from Mangalsen VDC of Achham district.

Forty one 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. Nine cases of Dengue are reported so far this year.

#### 1.6 Kala-azar

Three cases of Kala-azar are reported this week, one each from United Mission Hospital, Palpa, Sukraraj Tropical and Infectious Disease Hospital, Teku, and Ramkumar Umasankar Hospital, Lahan. The deceased were from Palpa, Bajura and Saptari district respectively.

One hundred thirty 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	On Time	96	
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	96	
104	BPKIHS, Dharan	On Time	100	138	DH, Solukhumbu	On Time	53	
105	DH, Dhankuta	On Time	100	139	DH, Dolpa	No Reporting	0	
106	SZH, Saptari	No Reporting	50	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	96	203	DH, Ramechhap	On Time	100	
110	DH, Rautahat	No Reporting	96	204	Bhaktapur Hospital	No Reporting	0	
111	DH, Bara	On Time	100	205	Patan Hospital, Lalitpur	On Time	100	
112	NSRH, Parsa	On Time	100	206	DH, Gorkha	On Time	100	
113	DH, Makawanpur	On Time	100	207	DH Trishuli, Nuwakot	No Reporting	0	
114	NZH, Chitwan	No Reporting	96	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	On Time	100	
117	UMH, Palpa	On Time	100	211	DH, Tanahun	No reporting	71	
118	PCH, Nawalparasi	No Reporting	96	212	WRH, Kaski	On Time	100	
119	PBH, Kapilbastu	On Time	100	214	DH, Gulmi	No Reporting	71	
120	LZH, Rupandehi	On Time	100	215	DZH, Baglung	No reporting	85	
121	RSRH Dang	On Time	100	218	DH, Manang	On Time	50	
122	MWRH, Surkhet	On Time	100	219	DH, Mustang	On Time	40	
123	BZH, Banke	On Time	100	220	DH, Pyuthan	On Time	100	
124	SZH, Kailali	No Reporting	7	221	DH, Rolpa	No reporting	18	
125	MZH, Kanchanpur	On Time	100	229	DH, Achham	On Time	100	
126	DH, Doti	On Time	100	230	DH, Baitadi	On Time	100	
127	DH, Bardiya	On Time	100	235	DH, Panchthar	On Time	100	
128	DH, Mahottari	No Reporting	67	237	DH, Bhojpur	No Reporting	50	
129	DH, Dadeldhura	No Reporting	0	238	DH, Khotang	No Reporting	40	
130	DH, Rasuwa	On Time	57	240	DH, Udayapur	No Reporting	0	
131	DH, Sankhuwasabha	On Time	86	301	Bayalpata Hosp., Achham	On Time	100	
132	AMDA Hosp., Jhapa	On Time	100			<u> </u>		
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.