

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(1st Epidemiological Week)

15 January 2017



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This bulletin includes the updates from the Early Warning Reporting System (EWARS). It includes data since January 2016 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, one each from United Mission Hospital, Palpa and Mid-western Regional Hospital, Surkhet and the cases are from Palpa and Surkhet district respectively.
- **Malaria:** No case of malaria is reported this week.
- **Dengue:** No case of Dengue is reported this week.
- No death from AGE and SARI is reported this week.

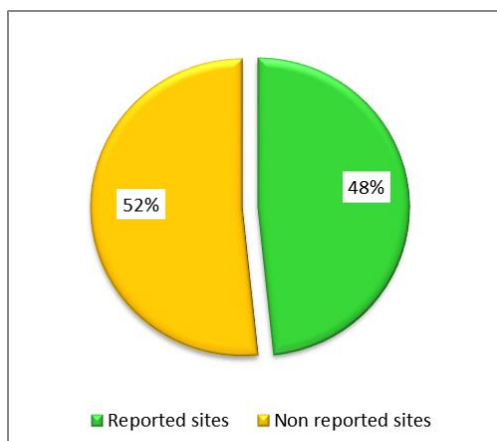
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs) can be mobilized at short notice to facilitate prompt outbreak response at Central, Regional and District level. They can also support local level health institutions for investigation and outbreak control activities.

This information system is hospital-based and is currently operational in 60 hospitals (out of 81 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

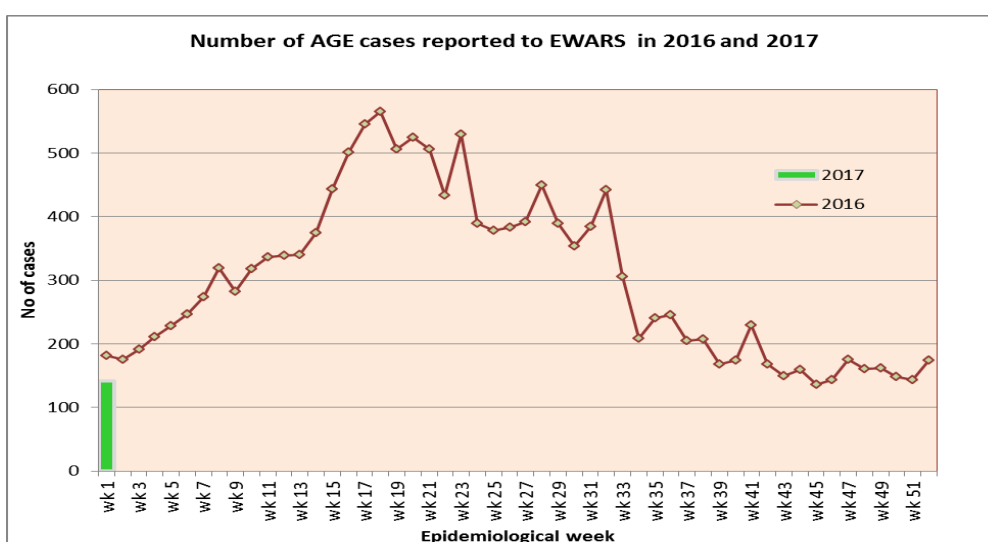
Out of 60 functional EWARS sentinel sites, report was received from 29 sentinel sites (48 percent) only whereas 31 sentinel sites did not report in 1st Epidemiological week of 2017. The reporting coverage is decreased as compared to the previous week.



1.1 Acute Gastro-Enteritis and Cholera

142 cases of AGE are reported in 1st epidemiological week of 2017. Among 142 cases, the majority of cases are from Kathmandu (24 cases), Morang (19 cases), Dolakha (10 cases), Kanchanpur (10 cases), Kapilvastu (10 cases), Lalitpur (8 cases), Sunsari (5 cases), Ilam (5 cases), Makawanpur (4 cases), Kaski (4 cases) and Jhapa (4 cases) district. The number of AGE cases reported in 1 week this year did not exceeds the number of AGE cases reported in the same week last year (182 cases).

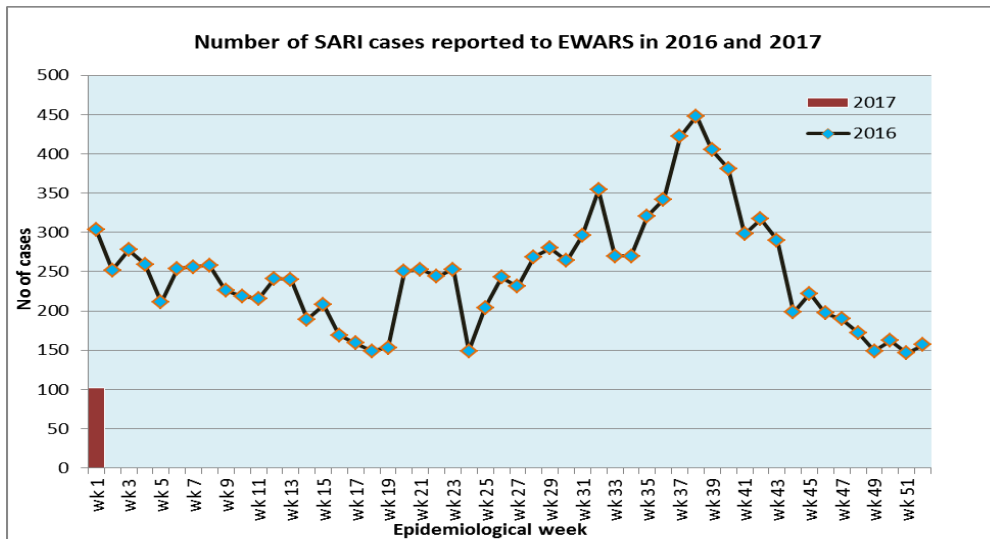
No death from AGE is reported this week. Thirteen deaths from AGE were reported in 2016.



1.2 Severe Acute Respiratory Infection (SARI)

102 cases of SARI are reported in 1st epidemiological week of 2017. The cases of SARI reported this week did not exceed the number reported in the same week last year (304 cases). Among 102 cases, the majority of cases are from Morang (21 cases), Lalitpur (11 cases), Sunsari (9 cases), Baitadi (7 cases), Palpa (7 cases), Saptari (6 cases), Kathmandu (5 cases) Dhankuta (5 cases) and Surkhet (4 cases) district.

No death from SARI is reported this week. Seventy deaths from SARI were reported in 2016.



1.3 Enteric Fever

30 cases of Enteric fever are reported this week, including 6 from Saptari, 6 from Lamjung, 3 from Dolakha, and 3 from Kaski, 2 from Nawalparasi, 2 from Palpa and One from Siraha district.

1.4 Malaria

No case of malaria is reported this week. Eighty three cases of Malaria were reported through EWARS in 2016.

1.5 Dengue

No case of Dengue is reported this week.

1.6 Kala-azar

Two cases of Kala-azar are reported this week, one each from United Mission Hospital, Palpa and Mid-western Regional Hospital, Surkhet and the cases are from Palpa and Surkhet district respectively. 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 (%)	Completeness (%)
101	Mechi ZH, Jhapa	No reporting	0	130	DH, Rasuwa	No reporting	0
102	Koshi ZH, Morang	On time	100	131	DH, Sankhuwasabha	No reporting	0
103	DH, Sunsari	No reporting	0	132	AMDA Hosp., Jhapa	On time	100
104	BPKIHS, Dharan	On time	100	133	DH, Chautara	On time	100
105	DH, Dhankuta	On time	100	134	DH, Sarlahi	On time	100
106	SZH, Saptari	On time	100	135	DH, Sindhuli	No reporting	0
107	RKUP Lahan, Siraha	On time	100	136	DH, Illam	On time	100
108	DH, Siraha	On time	100	137	Dhulikhel H., Kavre	No reporting	0
109	JZH, Dhanusha	No reporting	0	138	DH, Solukhumbu	No reporting	0
110	DH, Rautahat	No reporting	0	139	DH, Dolpa	No reporting	0
111	DH, Bara	No reporting	0	140	DH, Humla	No reporting	0
112	NSRH, Parsa	No reporting	0	201	Lamjung Comm DH, Lamjung	On time	100
113	DH, Makawanpur	On time	100	202	DH, Dhading	No reporting	0
114	NZH, Chitwan	No reporting	0	203	DH, Ramechhap	On time	100
115	Kanti CH, Kathmandu	On time	100	204	Bhaktapur Hospital	No reporting	0
116	STH, Kathmandu	On time	100	205	Patan Hospital, Lalitpur	On time	100
117	UMH, Palpa	On time	100	206	DH, Gorkha	No reporting	0
118	PCH, Nawalparasi	On time	100	207	DH Trishuli, Nuwakot	No reporting	0
119	PBH, Kapilvastu	On time	100	208	Charikot PHCC, Dolakha	On time	100
120	LZH, Rupandehi	No reporting	0	209	Jiri H, Dolakha	No reporting	0
121	RSRH Dang	No reporting	0	210	DH, Syangja	No reporting	0
122	MWRH, Surkhet	On time	100	211	DH, Tanahun	No reporting	0
123	BZH, Banke	No reporting	0	212	WRH, Kaski	On time	100
124	SZH, Kailali	No reporting	0	214	DH, Gulmi	On time	100
125	MZH, Kanchanpur	On time	100	215	DZH, Baglung	On time	100
126	DH, Doti	No reporting	0	219	DH, Mustang	No reporting	0
127	DH, Bardiya	No reporting	0	220	DH, Pyuthan	On time	100
128	DH, Mahottari	No reporting	0	221	DH, Rolpa	No reporting	0
129	DH, Dadeldhura	No reporting	0	229	DH, Achham	No reporting	0
				230	DH, Baitadi	On time	100
				237	DH, Bhojpur	On time	100
				240	DH, Udaypur	No reporting	0

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 and NHSSP for preparation of this bulletin.

Note: EWARS reporting form (in MS Excel format) is available at EDCCD's official website www.edccd.gov.np. This bulletin is also available at the website.