

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(14th 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.

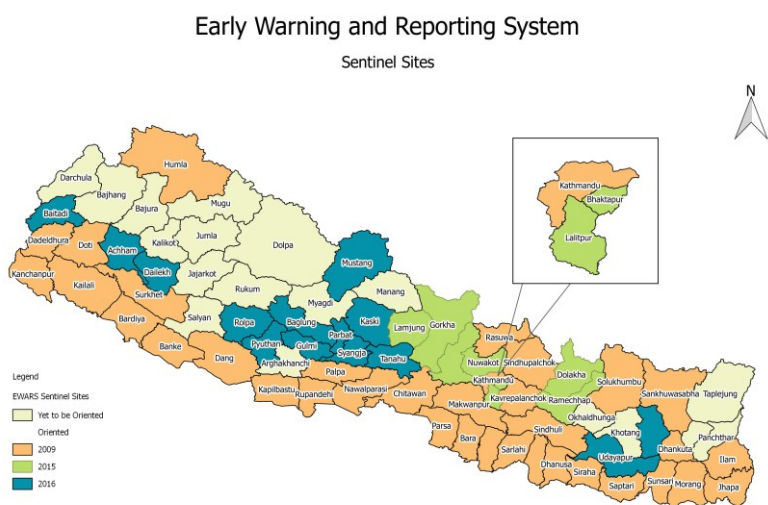
Section 1: The Early Warning and Reporting System (EWARS)

Highlights

- **Kala-azar:** Two cases of Kala-azar are reported this week, one each from Sukraraj Tropical and Infectious disease Hospital, Teku and District Hospital, Sarlahi and the cases are from Dangwang VDC of Pyuthan district and Ishworpur VDC of Sarlahi district.
- **SARI:** Three deaths from SARI are reported this week, two from Kanti children Hospital, Kathmandu and one from Lumbini Zonal Hospital, Rupandehi and the cases are from Kathmandu, Dolakha and Rupandehi districts respectively.
- No case of Dengue and Malaria is reported this week.
- No death from AGE is reported this week.

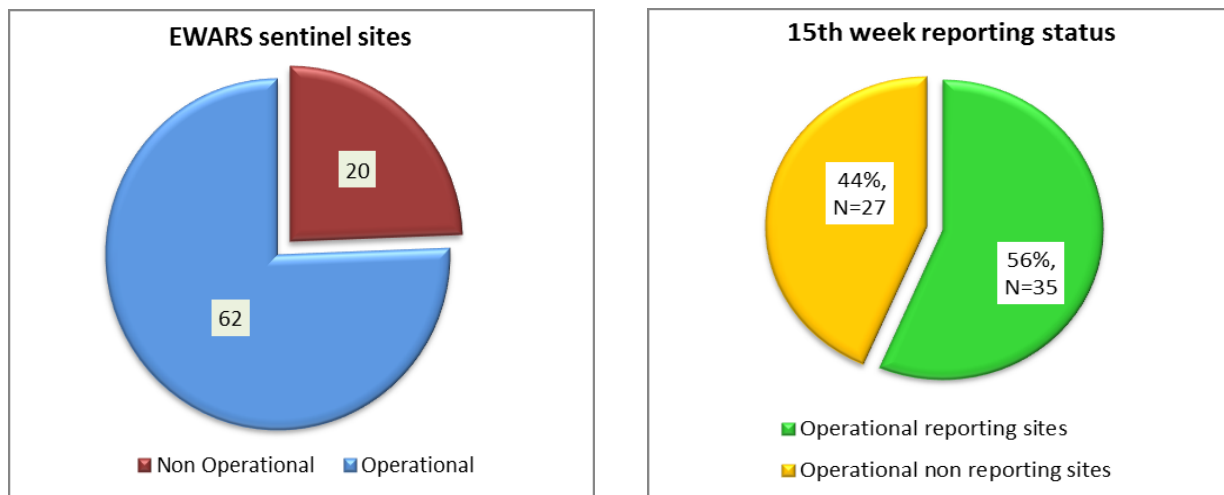
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs) 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 62 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

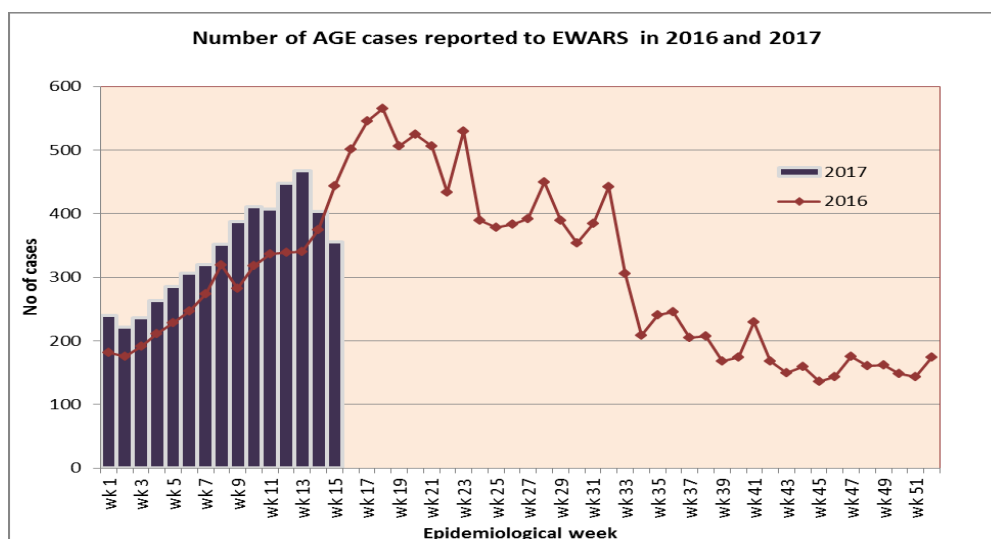
Out of 62 functional EWARS sentinel sites, report was received from 35 sentinel sites (56 percent) whereas 27 sentinel sites did not report in 15th Epidemiological week of 2017. The reporting coverage is decreased as compared to the previous week.



1.1 Acute Gastro-Enteritis and Cholera

355 cases of AGE are reported in 15th epidemiological week of 2017. Among 355 cases, the majority of cases are from Kanchanpur (38 cases), Dolakha (34 cases), Achham (24 cases), Kathmandu (23 cases), Dhanusha (17 cases), Kapilbastu (16 cases), Jhapa (16 cases), Makwanpur (16 cases), Rupandehi (16 cases), Bardiya (15 cases) and Mahottari (14 cases) district. The number of AGE cases reported in 15th week this year did not exceed the number of AGE cases reported in the same week last year (444 cases).

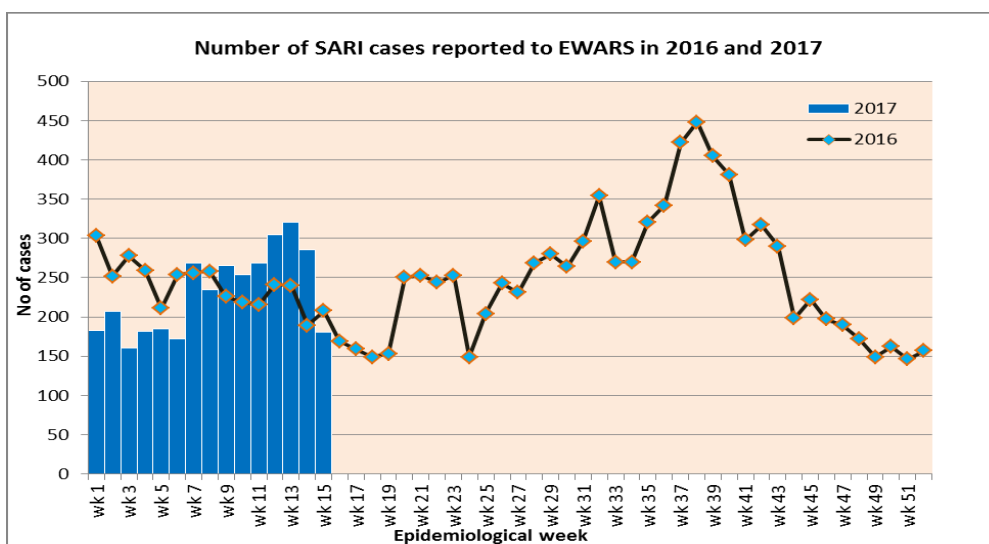
No death from AGE is reported this week. Three deaths from AGE are reported so far this year. Thirteen deaths from AGE were reported in 2016.



1.2 Severe Acute Respiratory Infection (SARI)

180 cases of SARI are reported in 15th epidemiological week of 2017. The cases of SARI reported this week did not exceed the number reported in the same week last year (208 cases). Among 180 cases, the majority of cases are from Morang (27 cases), Rupandehi (25 cases), Lalitpur (23 cases), Jhapa (13 cases), Panchthar (10 cases), Kapilbastu (9 cases), Kathmandu (9 cases), and Gorkha (6 cases) district.

Three deaths from SARI are reported this week, two from Kanti children Hospital, Kathmandu and one from Lumbini Zonal Hospital, Rupandehi and the cases are from Kathmandu, Dolakha and Rupandehi districts respectively. Twenty-five deaths from SARI are reported so far this year. Seventy deaths from SARI were reported in 2016.



1.3 Enteric Fever

14 cases of Enteric fever are reported this week, including 2 each from Dolakha, Kaski and Lamjung and Morang.

1.4 Malaria

No case of Malaria is reported this week. Four 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. Three cases of Dengue are reported so far this year.

1.6 Kala-azar

Two cases of Kala-azar are reported this week, one each from Sukraraj Tropical and Infectious disease Hospital, Teku and District Hospital, Sarlahi and the cases are from Dangwang VDC of Pyuthan district and Ishworpur VDC of Sarlahi district.

Eighty 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	Not 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	On Time	90
104	BPKIHS, Dharan	Not Reporting	77	138	DH, Solukhumbu	Not Reporting	28
105	DH, Dhankuta	On Time	100	139	DH, Dolpa	Not Reporting	0
106	SZH, Saptari	Not Reporting	57	140	DH, Humla	Not Reporting	0
107	RKUP Lahan, Siraha	Not Reporting	92	201	L. Comm DH, Lamjung	On Time	100
108	DH, Siraha	Not Reporting	92	202	DH, Dhading	Not Reporting	0
109	JZH, Dhanusha	On Time	100	203	DH, Ramechhap	On Time	100
110	DH, Rautahat	Not Reporting	91	204	Bhaktapur Hospital	Not Reporting	0
111	DH, Bara	Not Reporting	0	205	Patan Hospital, Lalitpur	On Time	100
112	NSRH, Parsa	Not Reporting	84	206	DH, Gorkha	On Time	100
113	DH, Makawanpur	On Time	92	207	DH Trishuli , Nuwakot	Not 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	93
116	STH, Kathmandu	On Time	100	210	DH, Syangja	Not Reporting	0
117	UMH, Palpa	On Time	100	211	DH, Tanahun	Not Reporting	89
118	PCH, Nawalparasi	Not Reporting	76	212	WRH, Kaski	On Time	100
119	PBH, Kapilvastu	On Time	100	214	DH, Gulmi	Not Reporting	86
120	LZH, Rupandehi	On Time	90	215	DZH, Baglung	On Time	100
121	RSRH Dang	On Time	98	219	DH, Mustang	Not Reporting	40
122	MWRH, Surkhet	On Time	100	220	DH, Pyuthan	On Time	100
123	BZH, Banke	On Time	89	221	DH, Rolpa	Not Reporting	0
124	SZH, Kailali	Not Reporting	0	229	DH, Achham	On Time	100
125	MZH, Kanchanpur	On Time	100	230	DH, Baitadi	Not Reporting	90
126	DH, Doti	Not Reporting	92	235	DH, Panchthar	On Time	68
127	DH, Bardiya	On Time	97	237	DH, Bhojpur	Not Reporting	50
128	DH, Mahottari	On Time	98	240	DH, Udaypur	Not Reporting	0
129	DH, Dadeldhura	Not Reporting	0	301	Bayalpata Hosp., Achham	On Time	100
130	DH, Rasuwa	Not Reporting	0				
131	DH, Sankhuwasabha	Not Reporting	64				
132	AMDA Hosp., Jhapa	On Time	100			Excellent (>80)	
133	DH, Chautara	On Time	100			Satisfactory (50-79)	
134	DH, Sarlahi	On Time	100			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 EDCD's official website www.edcd.gov.np. This bulletin is also available at the website.