

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(4th Epidemiological Week)

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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.

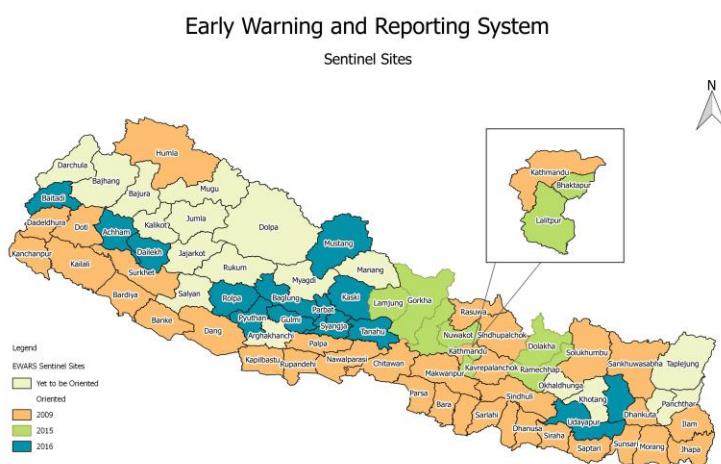
Section 1: The Early Warning and Reporting System (EWARS)

Highlights

- **Kala-azar:** Six cases of Kala-azar are reported this week, three from Sukraraj Tropical and Infectious disease Hospital, two from BPKIHS, Dharan and one from Bheri Zonal Hospital, Banke. The cases are from Sunsari, Surkhet, Siraha and Kailali district.
- **Dengue:** One case of Dengue is reported this week form Sukraraj Tropical and Infectious Disease Hospital, Teku and the case is from Jhapa District.
- **Malaria:** No case of malaria is reported this week.
- No death from AGE and SARI is reported this week

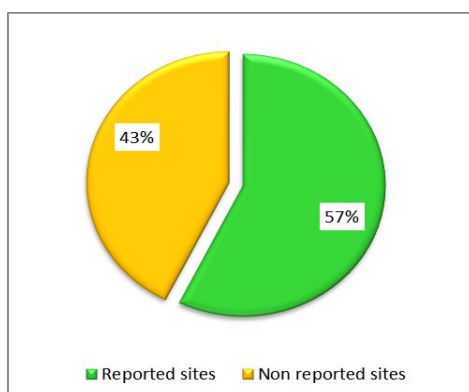
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs) 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 61 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

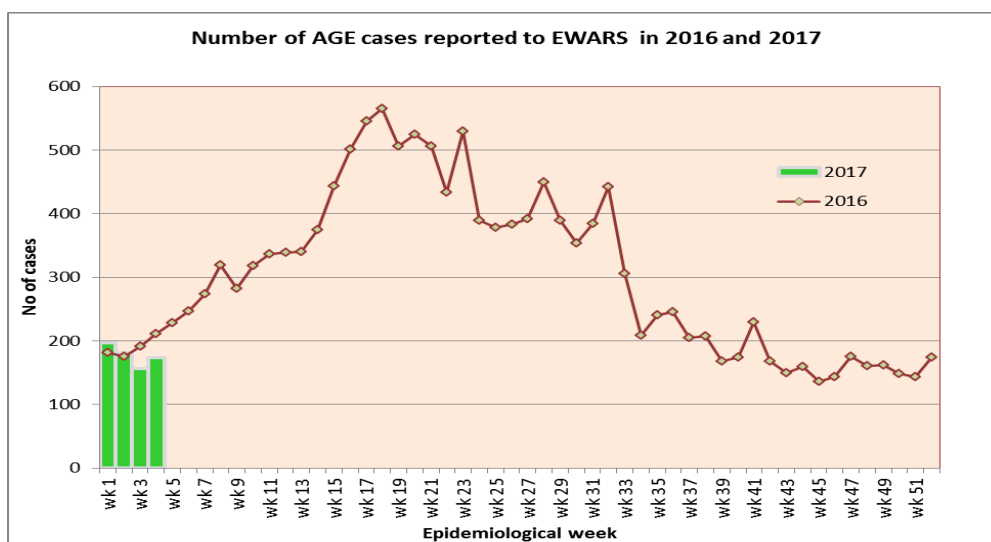
Out of 61 functional EWARS sentinel sites, report was received from 35 sentinel sites (57 percent) only whereas 26 sentinel sites did not report in 4th Epidemiological week of 2017. The reporting coverage is increased as compared to the previous week.



1.1 Acute Gastro-Enteritis and Cholera

174 cases of AGE are reported in 4th epidemiological week of 2017. Among 174 cases, the majority of cases are from Kathmandu (29 cases), Morang (15 cases), Makawanpur (12 cases), Kapilvastu (10 cases), Achham (10 cases), Kanchanpur (6 cases), Palpa (5 cases), Lamjung (5 cases), Saptari (5 cases), Sunsari (5 cases) and Tanahu (5 cases) district. The number of AGE cases reported in 4th week this year did not exceeds the number of AGE cases reported in the same week last year (211 cases).

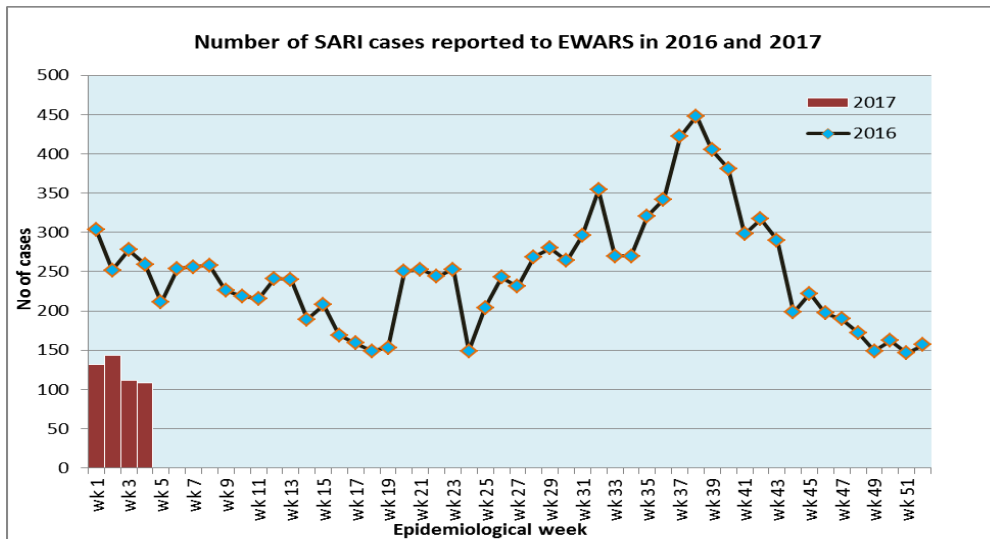
No death from AGE is reported this week. Two deaths from AGE are reported so far this year .Thirteen deaths from AGE were reported in 2016.



1.2 Severe Acute Respiratory Infection (SARI)

108 cases of SARI are reported in 4th epidemiological week of 2017. The cases of SARI reported this week did not exceed the number reported in the same week last year (259 cases). Among 108 cases, the majority of cases are from Jhapa (18 cases), Morang (17 cases), Saptari (9 cases), Lalitpur (8 cases), Dhankuta (7 cases), Palpa (7cases), Siraha (6 cases) and Sunsari (5 cases) district.

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



1.3 Enteric Fever

22 cases of Enteric fever are reported this week, including 5 from Saptari, 4 from Nawalparasi, 3 from Kathmandu, 2 from Kaski, 2 from Siraha and one each from Morang, Nuwakot, Parnat, Sarlahi and Sunsari 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

One case of Dengue is reported this week from Sukraraj Tropical and Infectious Disease Hospital, Teku and the case is from Jhapa District.

1.6 Kala-azar

Six cases of Kala-azar are reported this week, three from Sukraraj Tropical and Infectious disease Hospital, Teku, two from BPKIHS, Dharan and One from Bheri Zonal Hospital, Banke. The cases are from Sunsari, Surkhet, Siraha and Kailali district. Thirteen 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 (%)	Completeness (%)
101	Mechi ZH, Jhapa	On time	100	130	DH, Rasuwa	No reporting	0
102	Koshi ZH, Morang	On time	100	131	DH, Sankhuwasabha	No reporting	0
103	DH, Sunsari	On time	100	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	On time	100
109	JZH, Dhanusha	No reporting	75	138	DH, Solukhumbu	No reporting	0
110	DH, Rautahat	On time	100	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	On time	100	203	DH, Ramechhap	No reporting	75
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	75	209	Jiri H, Dolakha	On time	100
121	RSRH Dang	No reporting	0	210	DH, Syangja	No reporting	0
122	MWRH, Surkhet	No reporting	75	211	DH, Tanahun	On time	100
123	BZH, Banke	On time	100	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	On time	100	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	On time	100
				230	DH, Baitadi	On time	100
				237	DH, Bhojpur	No reporting	50
				240	DH, Udaypur	No reporting	0
				301	Bayalpata Hospital, Achham	On time	100

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.edcd.gov.np. This bulletin is also available at the website.