

Early Warning and Reporting System (EWARS)
Weekly Bulletin
(24th 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

- **Cholera:** Two cases of *vibrio Cholerae* has been confirmed from Patan Academy of Health Sciences on 18th June, 2017. The cases are from Satdobato and Khumaltar area. A team from EDCC and DPHO Lalitpur visited the affected area for the investigation.
- **Malaria:** Four cases of Malaria (*Plasmodium vivax*) are reported this week, two from District Hospital, Achham and one each from Bheri Zonal Hospital, Banke and Bayalpata Hospital, Achham. The cases are from Achham and Bardiya district.
- **Kala-azar:** Two cases of Kala-azar are reported this week, one each from Bheri Zonal Hospital, Banke and Bayalpata Hospital, Achham and the cases are Bajura and Achham district.
- **SARI:** One death from SARI is reported this week from Lumbini Zonal Hospital, Butwal and the case is from Rupandehi district.
- No death from AGE is reported this week

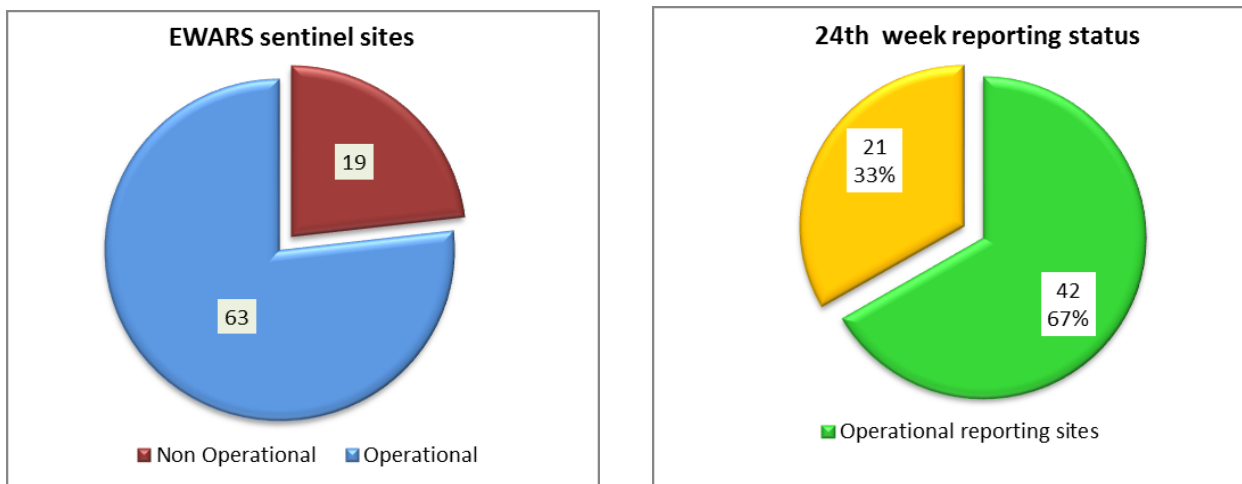
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCC) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs) 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 63 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

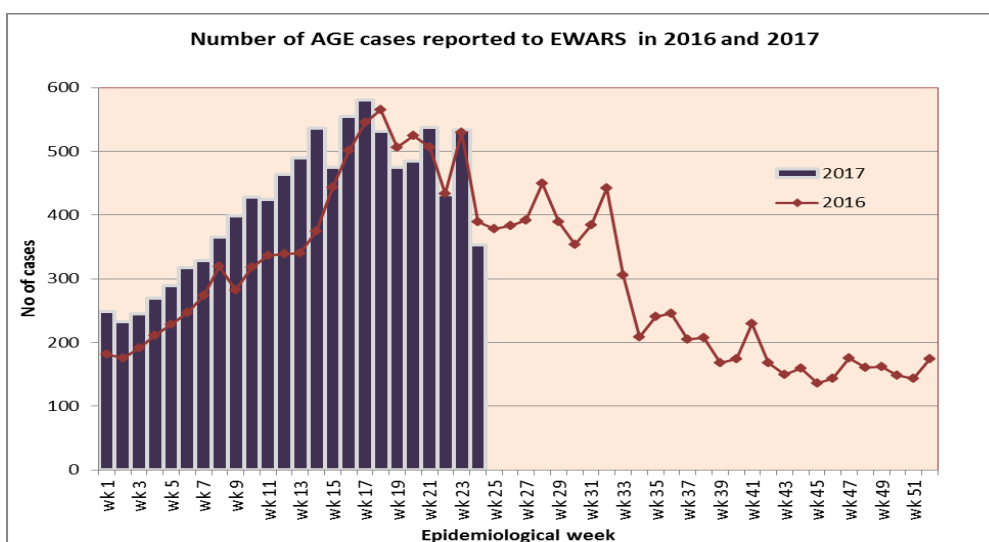
Out of 63 functional EWARS sentinel sites, report was received from 42 sentinel sites (67 percent) whereas 21 sentinel sites did not report in 24th Epidemiological week of 2017. The reporting coverage is same as compared to the previous week.



1.1 Acute Gastro-Enteritis and Cholera

353 cases of AGE are reported in 24th epidemiological week of 2017. Among 353 cases, the majority of cases are from Bara (28 cases), Parsa (28 cases), Dolakha (24 cases) Achham (20 cases), Rupandehi (20 cases), Kathmandu (19 cases), Kanchanpur (16 cases), Lamjung (13 cases), Illam (12 cases) and Bardiya (12 cases) district. The number of AGE cases reported in 24th week this year did not exceed the number of AGE cases reported in the same week last year (389 cases).

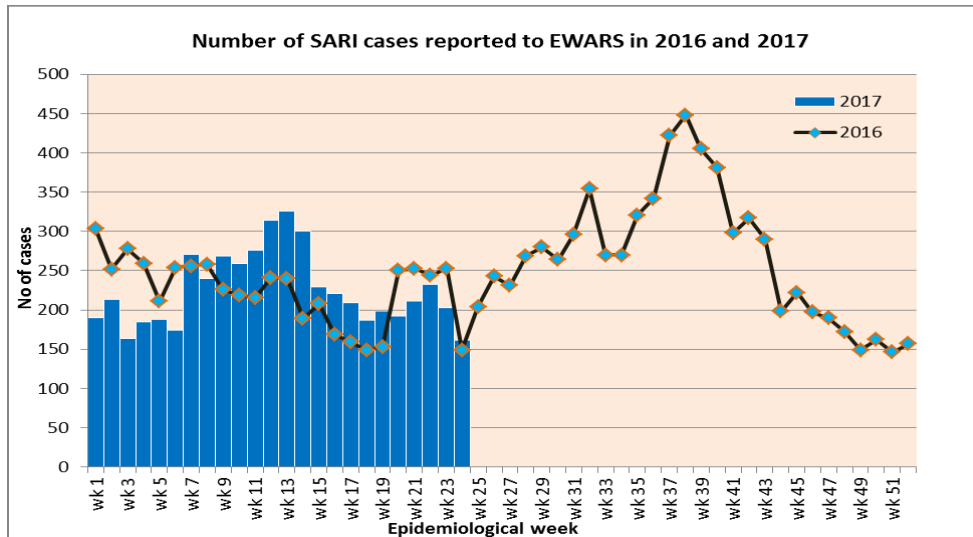
No death from AGE is reported this week. Nine deaths from AGE are reported so far this year. Thirteen deaths from AGE were reported in 2016.



1.2 Severe Acute Respiratory Infection (SARI)

161 cases of SARI are reported in 24th epidemiological week of 2017. The cases of SARI reported this week slightly exceed the number reported in the same week last year (149 cases). Among 161 cases, the majority of cases are from Morang (21 cases), Rupandehi (20 cases), Parsa (12 cases), Lalitpur (10 cases), Kathmandu (10 cases), Gorkha (7 cases) and Syangja (6 cases) district.

One death from SARI is reported this week from Lumbini Zonal Hospital, Butwal and the case is from Rupandehi district. Thirty seven deaths from SARI are reported so far this year. Seventy deaths from SARI were reported in 2016.



1.3 Enteric Fever

71 cases of Enteric fever are reported this week, including 9 from Parsa, 8 from Kaski, 7 from Palpa and 7 from Bara district. One death from Enteric Fever is reported so far this year.

1.4 Malaria

Four cases of Malaria (*Plasmodium vivax*) are reported this week, two from District Hospital, Achham and one each from Bheri Zonal Hospital, Banke and Bayalpata Hospital, Achham. The cases are from Achham and Bardiya district. Twenty seven 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

Two cases of Kala-azar are reported this week, one each from Bheri Zonal Hospital, Banke and Bayalpata Hospital, Achham and the cases are Bajura and Achham district.

One hundred twenty-nine 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	No Reporting	91	135	DH, Sindhuli	On time	90
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	On Time	100	138	DH, Solukhumbu	On Time	65
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	No Reporting	95	201	L. Comm DH, Lamjung	On Time	100
108	DH, Siraha	No Reporting	95	202	DH, Dhading	No Reporting	0
109	JZH, Dhanusha	On Time	100	203	DH, Ramechhap	On Time	100
110	DH, Rautahat	On Time	100	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	On Time	100	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	95
118	PCH, Nawalparasi	On Time	100	212	WRH, Kaski	On Time	100
119	PBH, Kapilvastu	On Time	100	214	DH, Gulmi	No Reporting	95
120	LZH, Rupandehi	On Time	100	215	DZH, Baglung	On Time	100
121	RSRH Dang	On Time	100	219	DH, Mustang	No Reporting	25
122	MWRH, Surkhet	On Time	100	220	DH, Pyuthan	On Time	100
123	BZH, Banke	On Time	100	221	DH, Rolpa	No Reporting	5
124	SZH, Kailali	No Reporting	0	229	DH, Achham	On Time	100
125	MZH, Kanchanpur	On Time	100	230	DH, Baitadi	No Reporting	95
126	DH, Doti	On Time	100	235	DH, Panchthar	No Reporting	80
127	DH, Bardiya	On Time	100	237	DH, Bhojpur	No Reporting	55
128	DH, Mahottari	No Reporting	80	238	DH, Khotang	On Time	50
129	DH, Dadeldhura	No Reporting	0	240	DH, Udayapur	No Reporting	0
130	DH, Rasuwa	On Time	45	301	Bayalpata Hosp., Achham	On Time	100
131	DH, Sankhuwasabha	No Reporting	85				
132	AMDA Hosp., Jhapa	On Time	100			Excellent (>80)	
133	DH, Chautara	On time	100			Satisfactory (50-79)	
134	DH, Sarlahi	No Reporting	90			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 NHSSP, WHO 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.