

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(23rd 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

- **Mushroom Poisoning:** 3 people of the same family from Bhirpani-4 of Palpa district consumed the wild mushroom on 09 June, 2017, out of which two people died on 12 June, 2017 at Lumbini Medical College.
- **Influenza like Illness (ILI):**
 - A total of 202 cases were affected from ILI from Jiri Municipality since 7 June, 2017. Sixteen throat swabs were collected for the lab investigation and were brought to NPHL. All samples were negative for Influenza A & B.
 - Similarly 102 cases and 3 deaths from ILI were reported from DHO, Dolpa. The cases were from Narku, Medkechula Gaupalika (rural Municipality)-6.
- **Malaria:** Two cases of Malaria (*Plasmodium vivax*) are reported this week, one each from Mahakali Zonal Hospital, Kanchanpur and District Hospital, Achham and the cases are from Kanchanpur and Achham district respectively.
- **Kala-azar:** One case of Kala-azar is reported this week from Sukraraj Tropical and Infectious Disease Hospital, Teku and the case is from Humla district.
- No death from AGE and SARI is reported this week

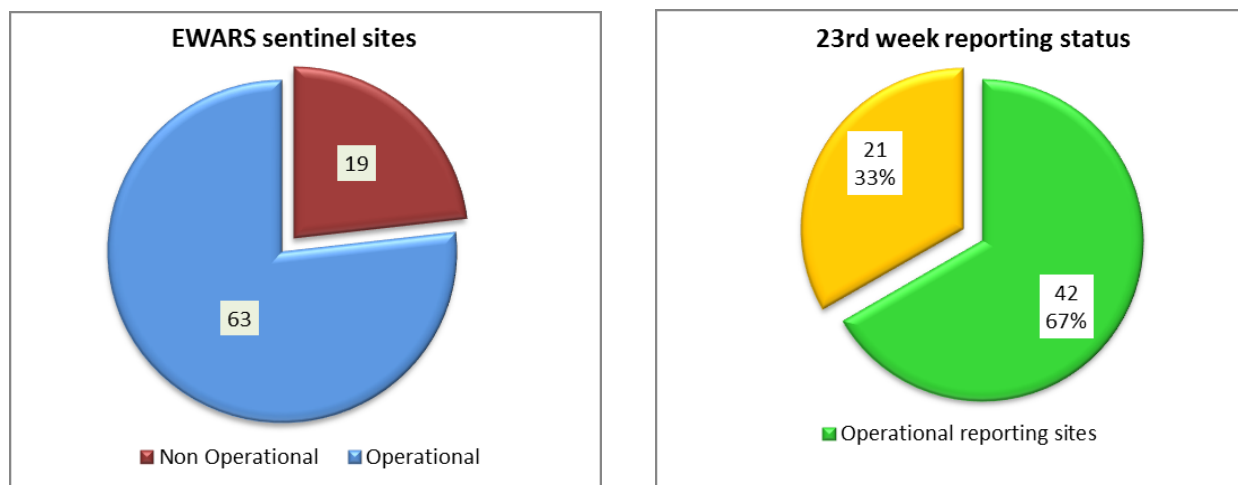
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs)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

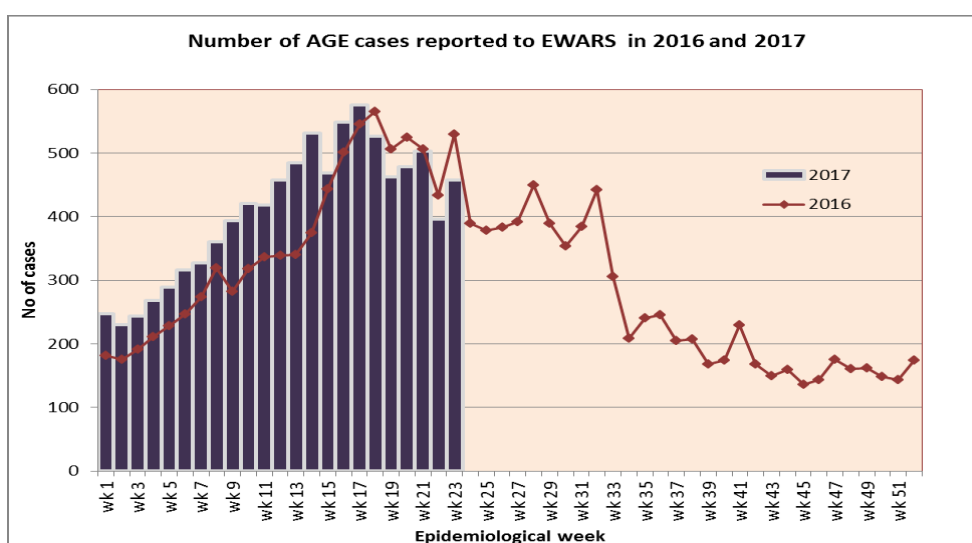
Out of 63 functional EWARS sentinel sites, report was received from 42 sentinel sites (67 percent) whereas 21 sentinel sites did not report in 23rd Epidemiological week of 2017. The reporting coverage is increased as compared to the previous week.



1.1 Acute Gastro-Enteritis and Cholera

458 cases of AGE are reported in 23rd epidemiological week of 2017. Among 458 cases, the majority of cases are from Jhapa (58 cases), Dolakha (47 cases), Parsa (31 cases), Bara (31 cases), Rupandehi (29 cases), Kathmandu (23 cases), Kanchanpur (21 cases), Achham (19 cases), Makawanpur (17 cases), Bardiya (17 cases) and Pyuthan (14 cases) district. The number of AGE cases reported in 23rd week this year did not exceed the number of AGE cases reported in the same week last year (529 cases).

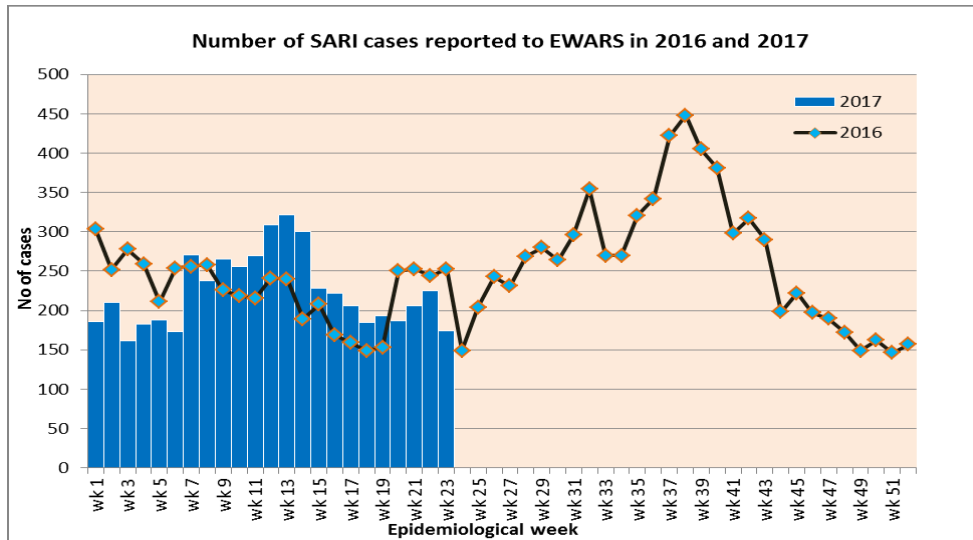
No death from AGE is reported this week. Nine deaths from AGE are reported so far this year. Thirteen deaths from AGE were reported in 2016.



1.2 Severe Acute Respiratory Infection (SARI)

174 cases of SARI are reported in 23rd epidemiological week of 2017. The cases of SARI reported this week did not exceed the number reported in the same week last year (253 cases). Among 174 cases, the majority of cases are from Morang (25 cases), Rupandehi (19 cases), Baitadi (25 cases), Parsa (13 cases), Lalitpur (9 cases), Kathmandu (8 cases), Gulmi (8 cases), Kapilbastu (7 cases), Kanchanpur (6 cases) and Dang (6 cases) district.

No death from SARI is reported this week. Thirty six deaths from SARI are reported so far this year. Seventy deaths from SARI were reported in 2016.



1.3 Enteric Fever

62 cases of Enteric fever are reported this week, including 9 from Lamjung, 6 from Bardiya, 5 from Tanahun and 5 from Morang district. One death from Enteric Fever is reported so far this year.

1.4 Malaria

Two cases of Malaria (*Plasmodium vivax*) are reported this week, one each from Mahakali Zonal Hospital, Kanchanpur and District Hospital, Achham and the cases are from Kanchanpur and Achham district respectively. Twenty three 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

One case of Kala-azar is reported this week from Sukraraj Tropical and Infectious Disease Hospital, Teku and the case is from Humla district.

One hundred twenty-seven 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	95	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	No Reporting	95	138	DH, Solukhumbu	On Time	60
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	On Time	100	203	DH, Ramechhap	On Time	100
110	DH, Rautahat	No Reporting	95	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	95	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	No Reporting	0
117	UMH, Palpa	On Time	100	211	DH, Tanahun	On Time	100
118	PCH, Nawalparasi	On Time	100	212	WRH, Kaski	On Time	100
119	PBH, Kapilvastu	No Reporting	95	214	DH, Gulmi	On Time	100
120	LZH, Rupandehi	On Time	100	215	DZH, Baglung	No reporting	82
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	On Time	100
126	DH, Doti	On Time	100	235	DH, Panchthar	No Reporting	82
127	DH, Bardiya	On Time	100	237	DH, Bhojpur	No Reporting	60
128	DH, Mahottari	No Reporting	82	238	DH, Khotang	No Reporting	30
129	DH, Dadeldhura	No Reporting	0	240	DH, Udayapur	No Reporting	0
130	DH, Rasuwa	On Time	50	301	Bayalpata Hosp., Achham	On Time	100
131	DH, Sankhuwasabha	On Time	90				
132	AMDA Hosp., Jhapa	On Time	100			Excellent (>80)	
133	DH, Chautara	On time	100			Satisfactory (50-79)	
134	DH, Sarlahi	On Time	95			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 EDCCD's official website www.edcd.gov.np. This bulletin is also available at the website.