

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(21st 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:** 14 people from Darcha VDC Ward no 3 of Palpa district consumed the wild mushroom on 27 May 2017 (13 Jestha 2074), out of which 3 people died and 2 are in critical condition and under treatment (in ventilator) in Lumbini Medical College, Tansen. Remaining 9 are out of danger.
- Malaria:** Four cases of Malaria (*Plasmodium vivax*) are reported this week, 3 from District Hospital, Achham and one from Bheri Zonal Hospital, Banke and the cases are from Achham and Banke district.
- Kala-azar:** Four cases of Kala-azar are reported this week, one each from BPKIHS, Dharan, Lumbini Zonal Hospital, Rupandehi, Sukraraj Tropical and Infectious Disease Hospital, Teku and Bheri Zonal Hospital, Banke. The cases are from Bhojpur, Palpa, Surkhet and Dailekh district respectively.
- Dengue:** Two cases of Dengue are reported this week, one each from Kanti Children Hospital, Kathmandu and Bayalpata Hospital, Achham. The cases are from Dang and Achham district respectively.
- SARI:** Two deaths from SARI are reported this week, one each from Kanti Children Hospital, Kathmandu and Lumbini Zonal Hospital, Rupandehi and the deceased were from Surkhet and Palpa district.

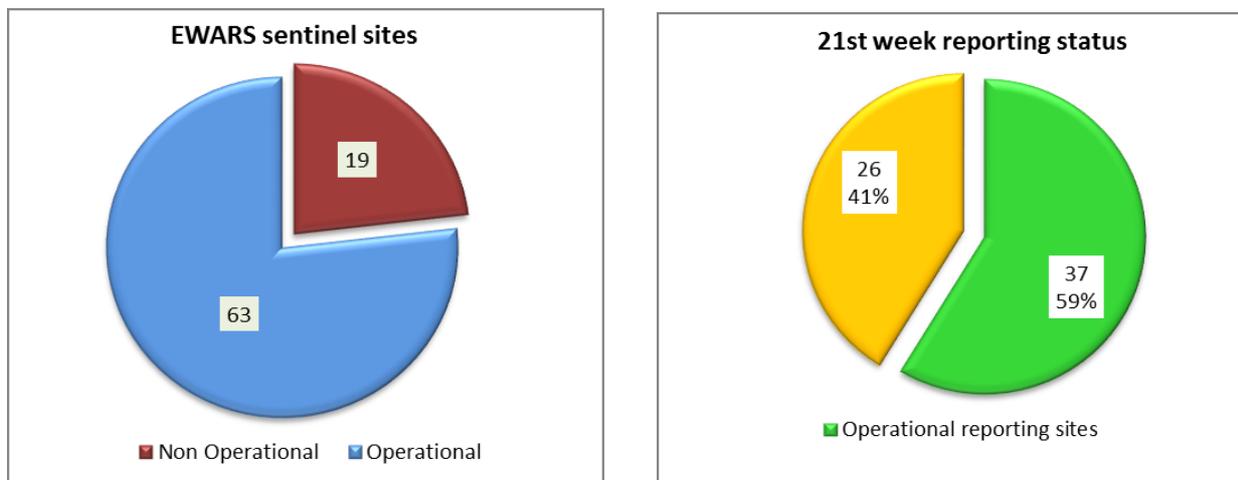
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs)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

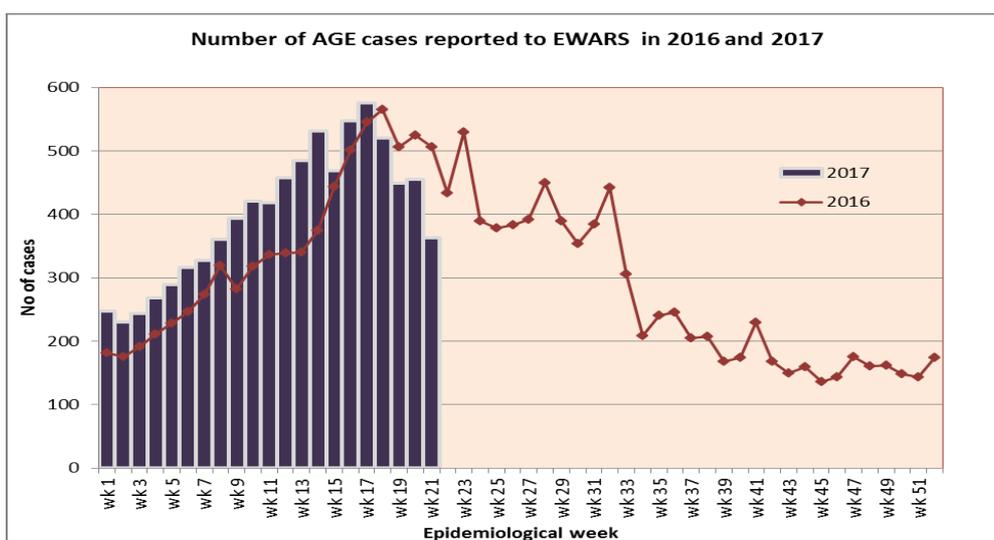
Out of 63 functional EWARS sentinel sites, report was received from 37 sentinel sites (59 percent) whereas 26 sentinel sites did not report in 21st Epidemiological week of 2017. The reporting coverage is decreased as compared to the previous week.



1.1 Acute Gastro-Enteritis and Cholera

363 cases of AGE are reported in 21st epidemiological week of 2017. Among 363 cases, the majority of cases are from Ramechhap (37 cases), Dhading (33 cases), Dolakha (32 cases), Achham (24 cases), Rupandehi (22 cases), Kapilbastu (20 cases), Pyuthan (19 cases), Kathmandu (18 cases), Bara (18 cases), and Bardiya (17 cases) district. The number of AGE cases reported in 21st week this year did not exceed the number of AGE cases reported in the same week last year (506 cases).

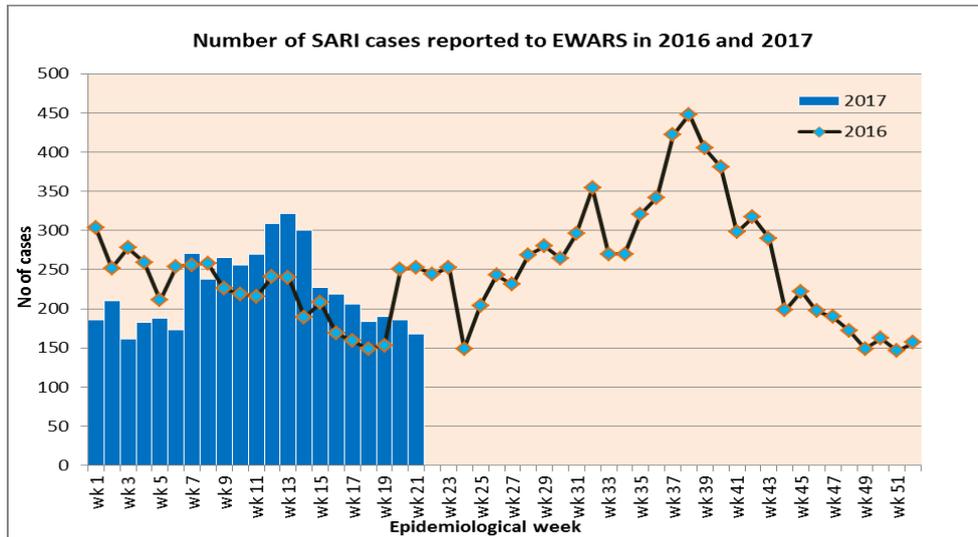
No death from AGE is reported this week. Nine deaths from AGE are reported so far this year. Thirteen deaths from AGE were reported in 2016.



1.2 Severe Acute Respiratory Infection (SARI)

168 cases of SARI are reported in 21st 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 168 cases, the majority of cases are from Morang (23 cases), Rupandehi (25 cases), Lalitpur (20 cases), Jhapa (15 cases), Panchthar (12 cases), Kapilbastu (11 cases), and Dhankuta (9 cases) district.

Two deaths from SARI are reported this week, one each from Kanti Children Hospital, Kathmandu and Lumbini Zonal Hospital, Rupandehi and the deceased were from Surkhet and Palpa district. Thirty six deaths from SARI are reported so far this year. Seventy deaths from SARI were reported in 2016.



1.3 Enteric Fever

22 cases of Enteric fever are reported this week, including 4 from Nawalparasi, 2 from Bara, 2 from Jhapa and 2 from Palpa and 2 from Siraha 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, 3 from District Hospital, Achham and one from Bheri Zonal Hospital, Banke and the cases are from Achham and Banke district. Eighteen cases of malaria are reported so far this year. Eighty three cases of Malaria were reported through EWARS in 2016.

1.5 Dengue

Two cases of Dengue are reported this week, one each from Kanti Children Hospital, Kathmandu and Bayalpata Hospital, Achham. The cases are from Dang and Achham district respectively. Six cases of Dengue are reported so far this year.

1.6 Kala-azar

Four cases of Kala-azar are reported this week, one each from BPKIHS, Dharan, Lumbini Zonal Hospital, Rupandehi, Sukraraj Tropical and Infectious Disease Hospital, Teku and Bheri Zonal Hospital, Banke. The cases are from Bhojpur, Palpa, Surkhet and Dailekh district respectively.

One hundred Nineteen 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	No Reporting	66
102	Koshi ZH, Morang	On Time	100	136	DH, Illam	On Time	100
103	DH, Sunsari	On Time	100	137	Dhulikhel H., Kavre	No Reporting	90
104	BPKIHS, Dharan	On Time	100	138	DH, Solukhumbu	No reporting	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	No Reporting	95	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	No Reporting	95	206	DH, Gorkha	No Reporting	95
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	No Reporting	0
117	UMH, Palpa	On Time	100	211	DH, Tanahun	No reporting	80
118	PCH, Nawalparasi	No Reporting	95	212	WRH, Kaski	No Reporting	95
119	PBH, Kapilvastu	On Time	100	214	DH, Gulmi	No Reporting	95
120	LZH, Rupandehi	On Time	100	215	DZH, Baglung	No reporting	85
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	No Reporting	95	230	DH, Baitadi	On Time	100
126	DH, Doti	On Time	100	235	DH, Panchthar	On Time	88
127	DH, Bardiya	On Time	100	237	DH, Bhojpur	No Reporting	65
128	DH, Mahottari	No Reporting	90	238	DH, Khotang	No Reporting	35
129	DH, Dadeldhura	No Reporting	0	240	DH, Udayapur	No Reporting	0
130	DH, Rasuwa	On Time	40	301	Bayalpata Hosp., Achham	On Time	100
131	DH, Sankhuwasabha	On Time	90				
132	AMDA Hosp., Jhapa	On Time	100				
133	DH, Chautara	On time	90				
134	DH, Sarlahi	On Time	95				
						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 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.