

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(13th Epidemiological Week)

09 April, 2017



Government of Nepal
Ministry of Health
Department of Health Services
Epidemiology and Disease Control Division
Kathmandu, Nepal
ewarsedcd@gmail.com

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

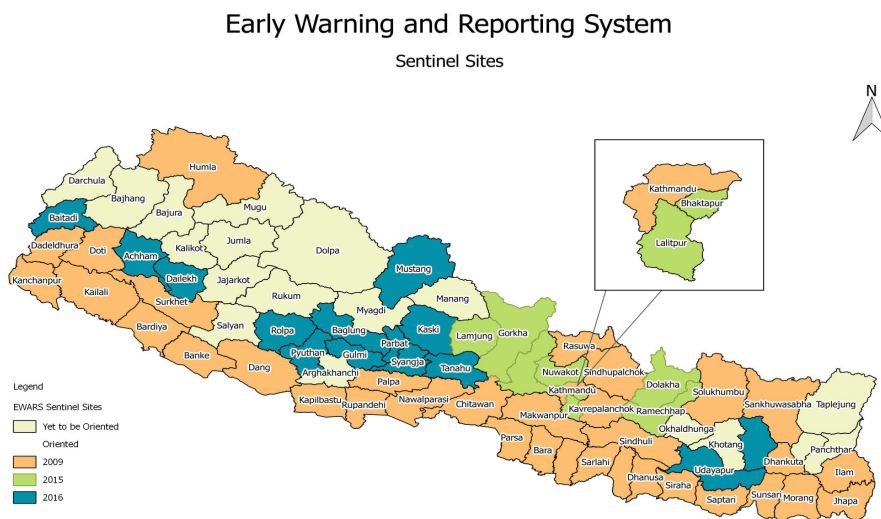
- **Kala-azar:** 14 cases of Kala-azar have been detected through rK39 in Ishworpur Municipality-2, Writer Tole of Sarlahi district on 8th April, 2017 (14th Week). Out them 11 cases are confirmed and 3 cases are asymptomatic.

A Central (EDCD) and district team have been mobilized to the affected area for the Kala-azar outbreak investigation, control and response.

- **SARI:** The cases of SARI reported this week (256) exceeded the number that was reported in the same week of last year (242 cases).
- No case of **Dengue** is reported this week.
- No case of **Malaria** is reported this week.

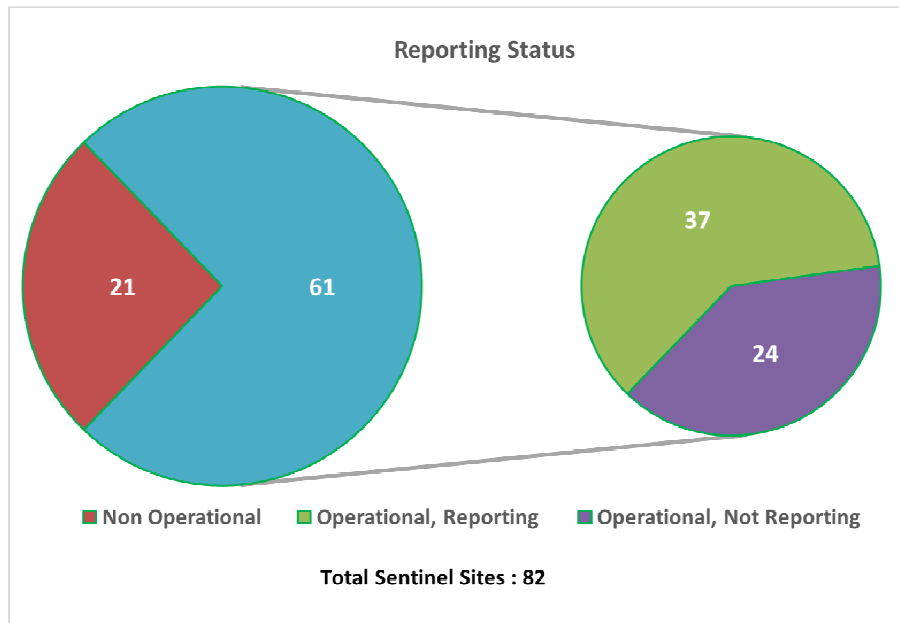
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs)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

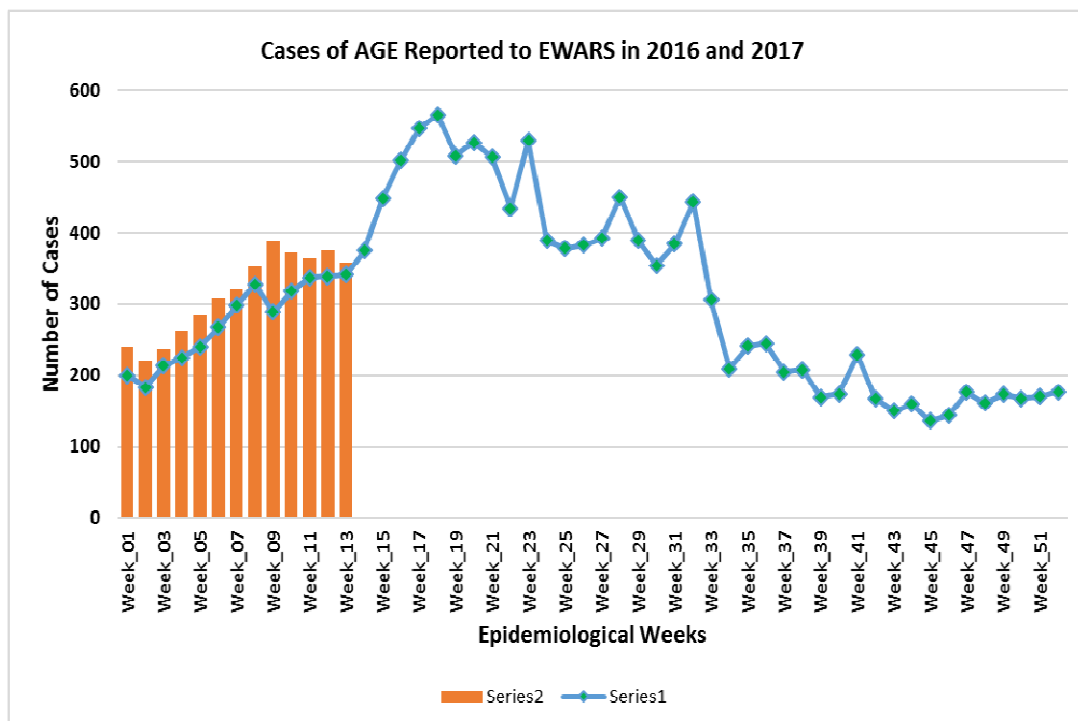
Out of 61 functional EWARS sentinel sites, 37 sentinel sites (61 percent) have reported whereas 24 sentinel sites have not report in 13th Epidemiological week of 2017. The reporting coverage is same as compared to the previous week.



1.1 Acute Gastro-Enteritis (AGE) and Cholera

358 cases of AGE are reported in 13th epidemiological week of 2017. Among 358 cases, the majority of cases are from Achham (32), Dolakha (30), Kanchanpur (23), Panchthar (20), Rupandehi (19), Dhanusha (18), Morang (16), Sankhuwasabha (13), Sunsari (13), Kathmandu (13), Pyuthan (11), Jhapa (10) and Kapilbastu (10). The number of AGE cases reported in 13th week of this year has exceeded the number of AGE cases reported in the same week of last year (339 cases).

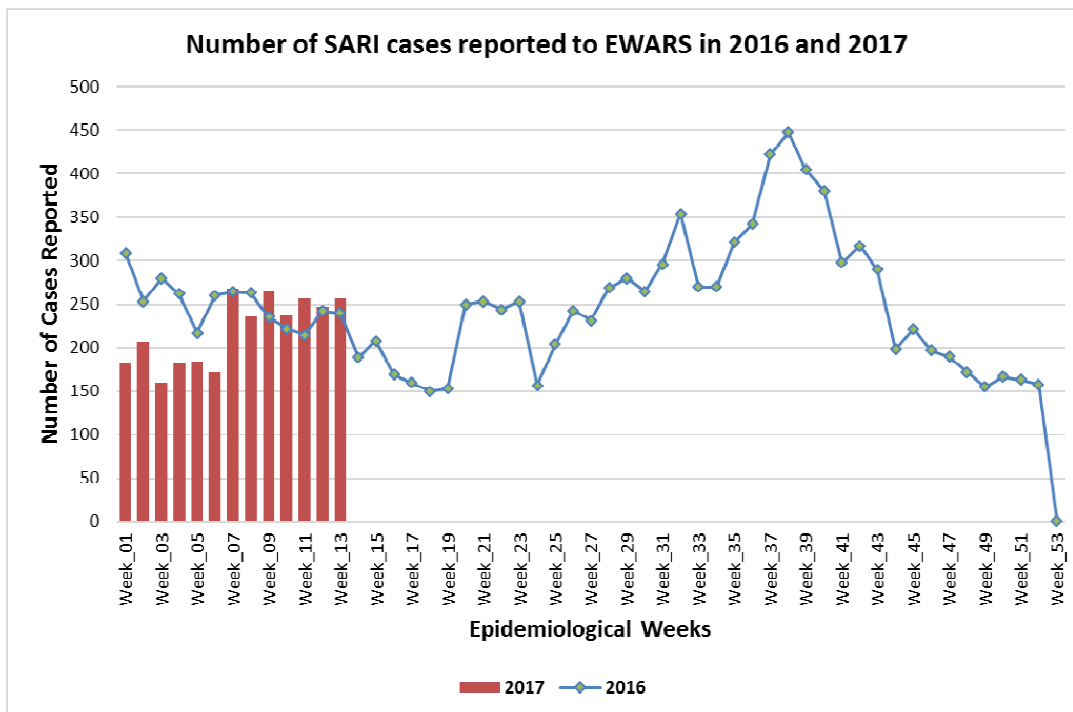
No death from AGE is reported this week. Three deaths from AGE are reported so far this year. Thirteen deaths from AGE were reported in 2016.



1.2 Severe Acute Respiratory Infection (SARI)

256 cases of SARI are reported in 13th epidemiological week of 2017. The cases of SARI reported this week exceeded the number reported in the same week last year (242 cases). Among 256 cases, the majority of cases are from Panchthar (49), Morang (28), Jhapa (26), Lalitpur (18) and Rupandehi (16) districts.

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



1.3 Enteric Fever

24 cases of Enteric fever are reported this week, including 6 in Chitawan, 3 in Siraha and 2 each from Kaski, Gorkha and Gulmi districts. Out of them, 13 cases are probable and 11 cases are confirmed.

1.4 Malaria

No case of Malaria is reported this week. Four cases of malaria have been 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 were reported so far this year.

1.6 Kala-azar

14 cases of Kala-azar have been detected through rK39 in Ishworpur Municipality-2, Writer Tole of Sarlahi district on 8th April, 2017 (14th Week). Out them 11 cases are confirmed and 3 cases are asymptomatic. A Central (EDCD) and district team have been mobilized to the affected area for the Kala-azar outbreak for investigation and response.

Two cases of Kala-azar are reported in the 13th week of this year, one each from Achham and Siraha. Fifty two confirmed cases of Kala-azar 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	On time	100
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	82
104	BPKIHS, Dharan	On time	79	138	DH, Solukhumbu	No reporting	20
105	DH, Dhankuta	On time	100	139	DH, Dolpa	No reporting	0
106	SZH, Saptari	No reporting	73	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	91	204	Bhaktapur Hospital	No reporting	0
111	DH, Bara	No reporting	0	205	Patan Hospital, Lalitpur	On time	100
112	NSRH, Parsa	No reporting	84	206	DH, Gorkha	No reporting	92
113	DH, Makawanpur	No reporting	92	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	No reporting	92
116	STH, Kathmandu	No Reporting	92	210	DH, Syangja	No reporting	0
117	UMH, Palpa	On time	100	211	DH, Tanahun	On time	89
118	PCH, Nawalparasi	No Reporting	92	212	WRH, Kaski	On time	100
119	PBH, Kapilvastu	On time	100	214	DH, Gulmi	On time	98
120	LZH, Rupandehi	On time	90	215	DZH, Baglung	No reporting	92
121	RSRH Dang	No Reporting	92	219	DH, Mustang	No reporting	40
122	MWRH, Surkhet	On time	100	220	DH, Pyuthan	On time	100
123	BZH, Banke	On time	89	221	DH, Rolpa	No reporting	0
124	SZH, Kailali	No reporting	0	229	DH, Achham	On time	100
125	MZH, Kanchanpur	On time	100	230	DH, Baitadi	On time	90
126	DH, Doti	On time	100	235	DH, Panchthar	On time	52
127	DH, Bardiya	No reporting	81	237	DH, Bhojpur	On time	72
128	DH, Mahottari	On time	98	240	DH, Udaypur	No reporting	0
129	DH, Dadeldhura	No reporting	0	301	Bayalpata Hosp., Achham	On time	100
130	DH, Rasuwa	No reporting	0				
131	DH, Sankhuwasabha	On time	56				
132	AMDA Hosp., Jhapa	On time	100				
133	DH, Chautara	On time	100				
134	DH, Sarlahi	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 EDCD's official website www.edcd.gov.np . This bulletin is also available at the website.