

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(16th Epidemiological Week)

29 April 2018



Government of Nepal
Ministry of Health and Population
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 2018 till date, including comparison of same period during last year.

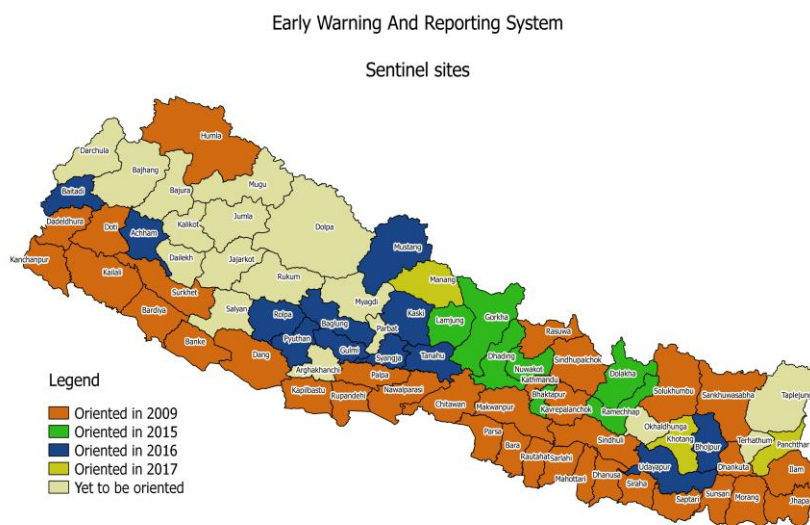
Section 1: The Early Warning and Reporting System (EWARS)

Highlights

- **Kala-azar:** Four cases of Kala-azar are reported this week, two from Bayalpata Hospital Achham and one each from Mid-Western Regional Hospital, Surkhet and Kanti Children Hospital, Kathmandu. The cases are from Achham, Kalikot and, Bajura district.
- **Malaria:** One case of Malaria (*Plasmodium Vivax*) is reported this week from Mahakali Zonal Hospital, Kanchanpur and the case is from Krishnapur Municipality of Kanchanpur District.
- **Brucellosis:** One case of Brucellosis is reported from Kanti Children Hospital, Kathmandu and the case is from Kaligandaki Rural Municipality of Syangja district.
- **Dengue:** No case of Dengue is reported this week.
- **Scrub Typhus:** No case of Scrub typhus is reported this week.

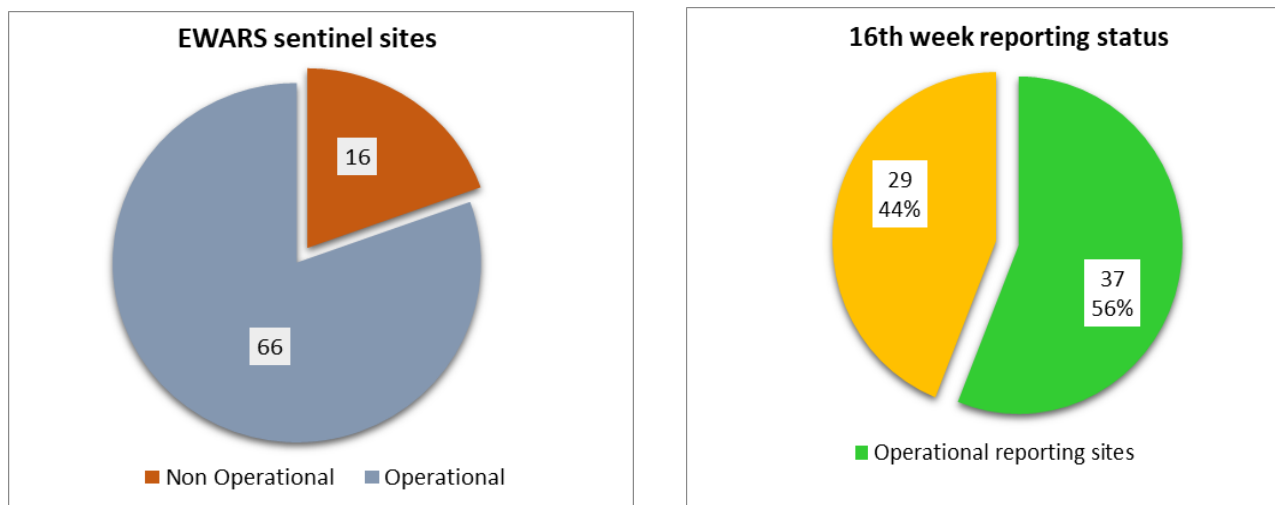
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs) 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 66 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

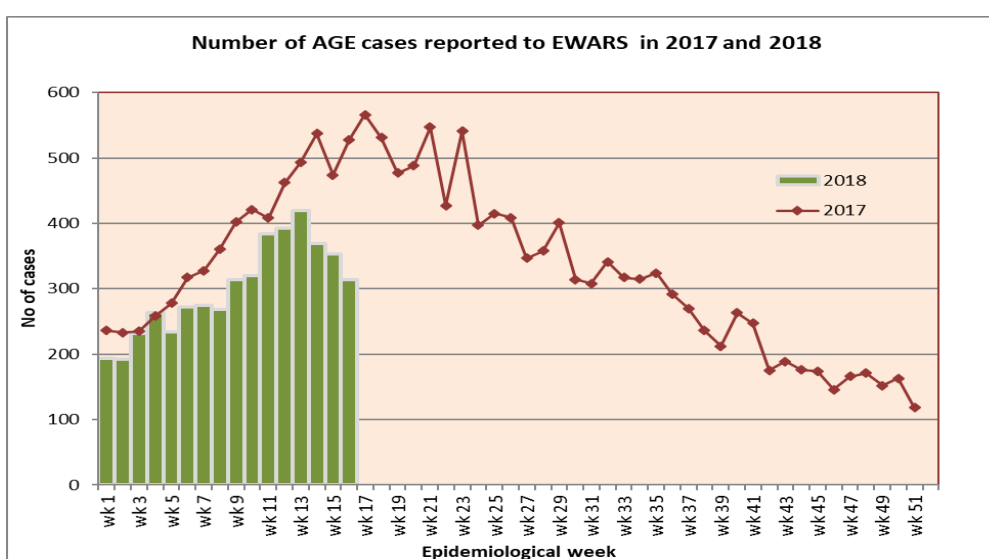
Out of 66 functional EWARS sentinel sites, report was received from 37 sentinel sites (56 percent) whereas 29 sentinel sites did not report in 16th Epidemiological week of 2018. The reporting coverage is decreased as compared to previous week.



1.1 Acute Gastro-Enteritis and Cholera

314 cases of AGE are reported in 16th epidemiological week of 2018. Among 314 cases, the majority of cases are from Kanchanpur (34 cases), Dhanusha (32 cases), Kapilbastu (30 cases), Dolakha (23 cases), Bara (21 cases), Sunsari (13 cases), Rupandehi (11 cases), Makwanpur (11 cases), Morang (10 cases), and Kathmandu (11 cases) district. The number of AGE cases reported in 16th week this year did not exceed the number of AGE cases reported in the same week last year (528 cases).

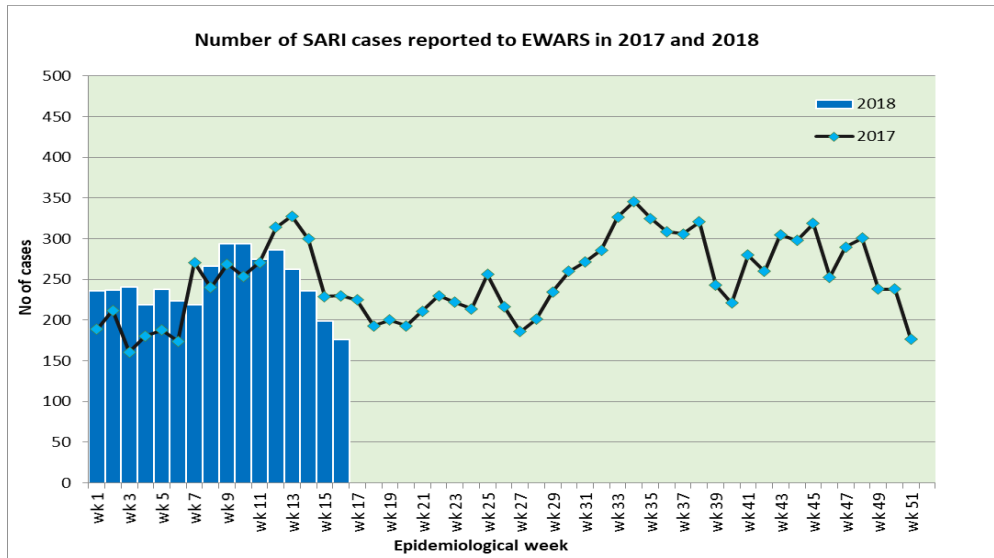
No death from AGE is reported this week. Four deaths from AGE are reported so far this year. Twenty deaths from AGE were reported in 2017.



1.2 Severe Acute Respiratory Infection (SARI)

179 cases of SARI are reported in 16th epidemiological week of 2018. The cases of SARI reported this week did not exceed the number reported in the same week last year (230 cases). Among 179 reported cases, the majority of cases are from Morang (28 cases), Sunsari (15 cases), Lalitpur (14 cases), Rupandehi (11 cases), Kapilbastu (7 cases), Panchthar (7 cases), Sindhuli (7 cases), Gulmi (6 cases) and Nawalparasi (6 cases) district.

No death from SARI is reported this week. 25 deaths from SARI are reported so far this year. Eighty two deaths from SARI were reported in 2017.



1.3 Enteric Fever

23 cases of Enteric fever are reported this week including 4 from Lamjung, 4 from Makwanpur, 3 from Chitwan and 2 each from Kavre and Kathmandu district. No death from Enteric fever is reported so far this year. Three deaths from Enteric Fever were reported in 2017.

1.4 Malaria

One case of Malaria (*Plasmodium Vivax*) is reported this week from Mahakali Zonal Hospital, Kanchanpur and the case is from Krishnapur Municipality of Kanchanpur District. Ten cases of Malaria are reported so far this year. Ninety one cases of Malaria are reported through EWARS in 2017.

1.5 Dengue

No case of Dengue is reported this week. Ten cases of Dengue including one death are reported so far this year. 1201 cases of dengue are reported through EWARS in 2017.

1.6 Kala-azar

Four cases of Kala-azar are reported this week, two from Bayalpata Hospital Achham and one each from Mid-Western Regional Hospital, Surkhet and Kanti Children Hospital, Kathmandu. The cases are from Achham, Kalikot and, Bajura district.

Fifty two cases of Kala azar including one death are reported so far this year. Two hundred twelve cases of Kala-azar were reported through EWARS in 2017.

1.7 Scrub Typhus

No case of Scrub Typhus is reported this week. Fifteen cases of scrub typhus are reported so far this year. 451 cases of Scrub Typhus were reported through EWARS in 2017.

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	93	135	DH, Sindhuli	On Time	100
102	Koshi ZH, Morang	On Time	100	136	DH, Illam	No Reporting	87
103	DH, Sunsari	On Time	100	137	Dhulikhel H., Kavre	On Time	100
104	BPKIHS, Dharan	On Time	100	138	DH, Solukhumbu	On Time	100
105	DH, Dhankuta	On Time	100	139	DH, Dolpa	No Reporting	0
106	SZH, Saptari	No Reporting	0	140	DH, Humla	No Reporting	0
107	RKUP Lahan, Siraha	No Reporting	93	201	L. Comm DH, Lamjung	On Time	100
108	DH, Siraha	No Reporting	20	202	DH, Dhading	No Reporting	45
109	JZH, Dhanusha	On Time	100	203	DH, Ramechhap	On Time	100
110	DH, Rautahat	No Reporting	20	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	No Reporting	50
113	DH, Makawanpur	On Time	100	207	DH Trishuli, Nuwakot	No Reporting	0
114	Bharatpur Hospital, 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	STIDH, Kathmandu	On Time	100	210	DH, Syangja	No Reporting	0
117	UMH, Palpa	On Time	100	211	DH, Tanahun	No Reporting	37
118	PCH, Nawalparasi	On Time	100	212	WRH, Kaski	On Time	100
119	PBH, Kapilbastu	On Time	100	214	DH, Gulmi	No Reporting	90
120	LZH, Rupandehi	On Time	100	215	DZH, Baglung	On time	100
121	RSRH Dang	On Time	100	218	DH, Manang	On Time	100
122	MWRH, Surkhet	On Time	100	219	DH, Mustang	No Reporting	0
123	BZH, Banke	No Reporting	0	220	DH, Pyuthan	No Reporting	93
124	SZH, Kailali	No Reporting	0	221	DH, Rolpa	No Reporting	0
125	MZH, Kanchanpur	On Time	100	229	DH, Achham	No reporting	80
126	DH, Doti	No Reporting	75	230	DH, Baitadi	No Reporting	53
127	DH, Bardiya	No Reporting	87	234	DH, Taplejung	No Reporting	80
128	DH, Mahottari	No Reporting	73	235	DH, Panchthar	On Time	100
129	DH, Dadeldhura	No Reporting	0	236	DH, Terhathum	On Time	100
130	DH, Rasuwa	No Reporting	81	237	DH, Bhojpur	On Time	100
131	DH, Sankhuwasabha	No Reporting	43	238	DH, Khotang	On Time	100
132	AMDA Hosp., Jhapa	On Time	100	240	DH, Udayapur	No Reporting	0
133	DH, Chautara	On Time	100	301	Bayalpata Hosp., Achham	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 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.