

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(31st Epidemiological Week)

12 August, 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.

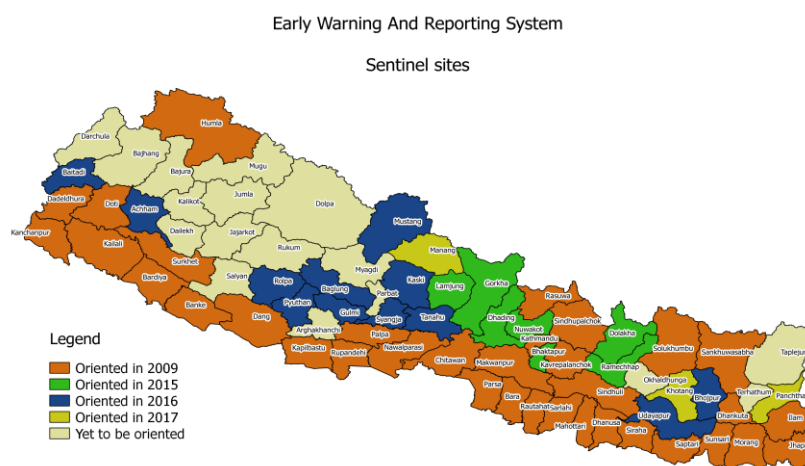
Section 1: The Early Warning and Reporting System (EWARS)

Highlights

- **Kala-azar:** Three cases of Kala-azar are reported this week, one each from Seti Zonal Hospital, Kailali, Kanti Children Hospital, Kathmandu and Bharatpur Hospital, Chitwan. The cases are from Darchula, Dang and Makwanpur district.
- **Malaria:** Three cases of Malaria (*Plasmodium Vivax*) are reported this week, one each from Mahakali Zonal Hospital, Kanchanpur, Ram Kumar Uma Prasad Hospital, Siraha and Tikapur Hospital, Kailali. The cases are from Kanchanpur, Saptari and Kailali district respectively. Similarly one case of (*Plasmodium falciparum*) is reported this week from Pokhara Academy of Health Science, Kaski and the case is from Myagdi district.
- **Dengue:** Four cases of Dengue are reported this week, three from Lumbini Zonal Hospital, Rupandehi and one from Pokhara Academy of Health Sciences, Kaski. The cases are from Palpa, Pyuthan, Gulmi and Tanahun district.
- **Scrub Typhus:** Twenty four cases of Scrub Typhus including one death are reported this week. The death case was reported from United Mission Hospital Palpa and the deceased was from Gulmi district.
- **SARI:** One death from SARI is reported this week from Lumbini Zonal Hospital, Rupandehi and the deceased was from Butwal Sub Metropolitan of Rupandehi district.

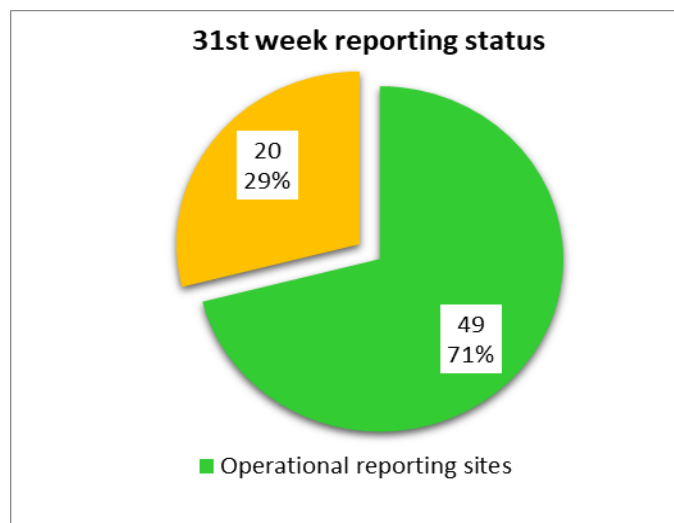
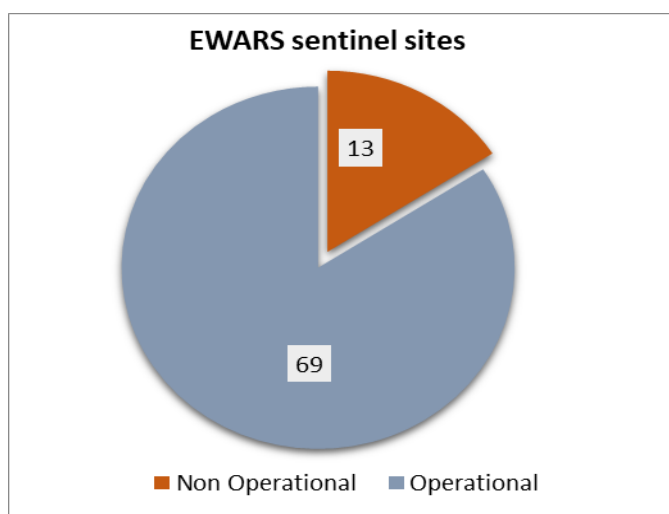
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs) 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 68 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

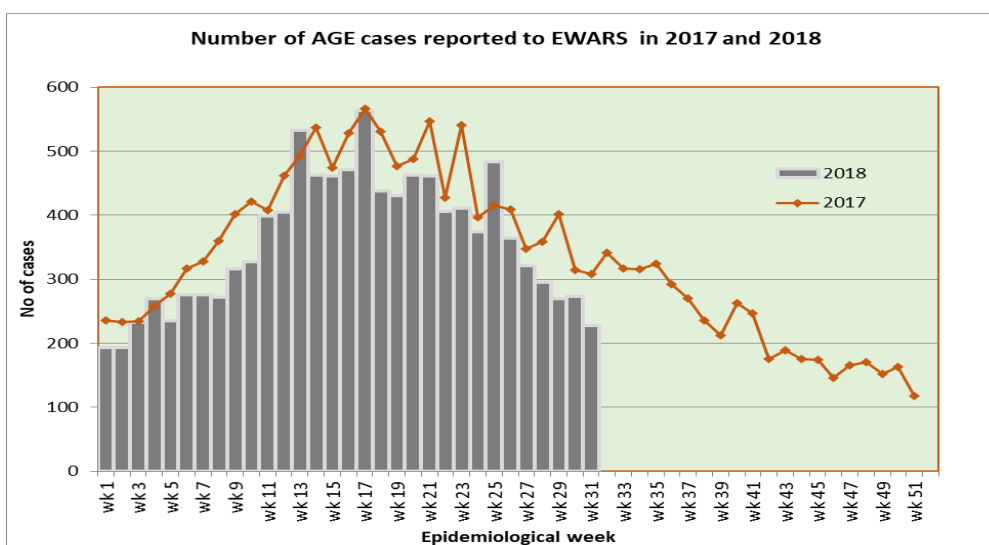
Out of 69 functional EWARS sentinel sites, report was received from 49 sentinel sites (71 percent) whereas 20 sentinel sites did not report in 31st Epidemiological week of 2018. The reporting coverage is decreased as compared to previous week.



1.1 Acute Gastro-Enteritis and Cholera

228 cases of AGE are reported in 31st epidemiological week of 2018. Among 228 cases, the majority of cases are from Achham (19 cases), Dolakha (14 cases), Surkhet (14 cases), Jhapa (13 cases), Kanchanpur (11 cases), Sunsari (11 cases), Saptari (11 cases), Dhankuta (10 cases), Dhanusha (9 cases), Palpa (8 cases) and Kapilbastu (8 cases) district. The number of AGE cases reported in 31st week this year did not exceed the number of AGE cases reported in the same week last year (308 cases).

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

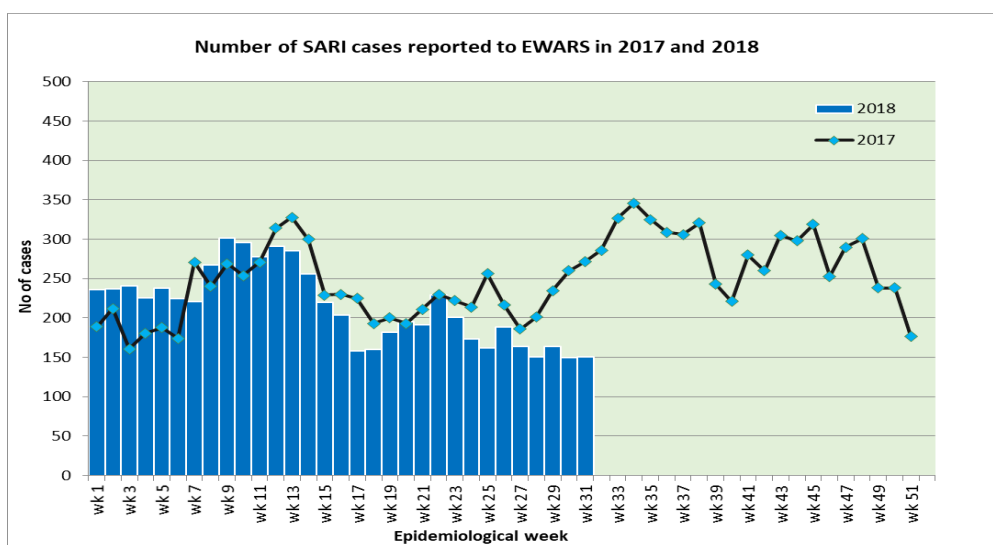


Cholera: A total of 3 cases of Cholera have been reported this year. The samples are confirmed positive by National Public Health Laboratory and the cases are from Nuwakot, Kathmandu and Lalitpur district.

1.2 Severe Acute Respiratory Infection (SARI)

151 cases of SARI are reported in 31st epidemiological week of 2018. The cases of SARI reported this week did not exceed the number reported in the same week last year (272 cases). Among 151 reported cases, the majority of cases are from Lalitpur (16 cases), Morang (15 cases), Rupandehi (13 cases), Kathmandu (10 cases), Sunsari (8 cases), Kailali (6 cases), Sindhuli (5 cases), Palpa (5 cases) and Ilam (5 cases) district.

One death from SARI is reported this week from Lumbini Zonal Hospital, Rupandehi and the deceased was from Butwal Sub Metropolitan of Rupandehi district. 29 deaths from SARI are reported so far this year. Eighty two deaths from SARI were reported in 2017.



1.3 Enteric Fever

47 cases of Enteric fever are reported this week including 5 from Kaski, 5 from Dhankuta, 4 from Ilam, 3 from Gulmi, 3 from Lamjung and 3 from Siraha district. No death from Enteric fever is reported so far this year. Three deaths from Enteric Fever were reported in 2017.

1.4 Malaria

Three cases of Malaria (*Plasmodium Vivax*) are reported this week, one each from Mahakali Zonal Hospital, Kanchanpur, Ram Kumar Uma Prasad Hospital, Siraha and Tikapur Hospital, Kailali. The cases are from Kanchanpur, Saptari and Kailali district respectively.

Similarly one case of (*Plasmodium falciparum*) is reported this week from Pokhara Academy of Health Science, Kaski and the case is from Myagdi district.

1.5 Dengue

Four cases of Dengue are reported this week, three from Lumbini Zonal Hospital, Rupandehi and one from Pokhara Academy of Health Sciences, Kaski. The cases are from Palpa, Pyuthan, Gulmi and Tanahun district. Thirty six 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

Three cases of Kala-azar are reported this week, one each from Seti Zonal Hospital, Kailali, Kanti Children Hospital, Kathmandu and Bharatpur Hospital, Chitwan. The cases are from Darchula, Dang and Makwanpur district.

One Hundred twelve cases of Kala azar including two deaths are reported so far this year. Two hundred twelve cases of Kala-azar were reported through EWARS in 2017.

1.7 Scrub Typhus

Twenty seven cases of Scrub Typhus including one death are reported this week. The death case was reported from United Mission Hospital Palpa and the deceased was from Gulmi district.

Among 26 other cases, 9 cases are reported from United Mission Hospital, Palpa, 7 from Kanti Children Hospital, Kathmandu, 5 from Sukraraj Tropical and Infectious Disease Hospital, Kathmandu, 3 from Dhulikhel Hospital, Kavre and 2 from District Hospital, Dhankuta. The cases are from Palpa, Syangja, Sindhupalchok, Banke, Kathmandu, Nuwakot, Gorkha, Khotang, Nawalparasi, Parsa and Dolakha district.

One Hundred nine cases of scrub typhus including one death are reported so far this year. 451 cases of Scrub Typhus were reported through EWARS in 2017.

Timeliness & completeness of reporting from sentinel sites:

Code	Sentinel Sites	Timeliness (This Week)	Completeness (%)	Site Code	Sentinel Sites	Timeliness (This Week)	Completeness (%)
101	Mechi ZH, Jhapa	On Time	100	136	DH, Illam	On Time	100
102	Koshi ZH, Morang	On Time	100	137	Dhulikhel H., Kavre	On Time	100
103	DH, Sunsari	On Time	100	138	DH, Solukhumbu	No Reporting	96
104	BPKIHS, Dharan	On Time	100	139	DH, Dolpa	No Reporting	0
105	DH, Dhankuta	On Time	100	140	DH, Humla	No Reporting	0
106	SZH, Saptari	On Time	51	201	L. Comm DH, Lamjung	On Time	100
107	RKUP Lahan, Siraha	On Time	100	202	DH, Dhading	On Time	83
108	DH, Siraha	No Reporting	80	203	DH, Ramechhap	On Time	100
109	JZH, Dhanusha	On Time	100	204	Bhaktapur Hospital	No Reporting	0
110	DH, Rautahat	No Reporting	10	205	Patan Hospital, Lalitpur	On Time	100
111	DH, Bara	On Time	100	206	DH, Gorkha	No Reporting	28
112	NSRH, Parsa	No Reporting	90	207	DH Trishuli, Nuwakot	No Reporting	15
113	DH, Makwanpur	No Reporting	96	208	Charikot PHCC, Dolakha	On Time	96
114	Bharatpur Hospital, Chitwan	On Time	100	209	Jiri H, Dolakha	On Time	100
115	Kanti CH, Kathmandu	On Time	100	210	DH, Syangja	On Time	83
116	STIDH, Kathmandu	On Time	100	211	DH, Tanahun	No Reporting	10
117	UMH, Palpa	On Time	100	212	PAHS/WRH, Kaski	On Time	100
118	PCH, Nawalparasi	No Reporting	96	213	DH, Myagdi	On Time	58
119	PBH, Kapilbastu	On Time	100	214	DH, Gulmi	On Time	76
120	LZH, Rupandehi	On Time	100	215	DZH, Baglung	On Time	100
121	RSRH Dang	On Time	100	216	DH, Parbat	On Time	58
122	MWRH, Surkhet	On Time	100	217	DH, Arghakhanchi	On Time	20
123	BZH, Banke	No Reporting	70	218	DH, Manang	On Time	96
124	SZH, Kailali	On Time	67	219	DH, Mustang	On Time	67
125	MZH, Kanchanpur	On Time	100	220	DH, Pyuthan	No Reporting	90
126	DH, Doti	On Time	100	229	DH, Achham	On Time	100

127	DH, Bardiya	On Time	100	230	DH, Baitadi	On Time	77
128	DH, Mahottari	No Reporting	10	231	DH, Darchula	On Time	55
129	DH, Dadeldhura	No Reporting	0	234	DH, Taplejung	No Reporting	40
130	DH, Rasuwa	No Reporting	90	235	DH, Panchthar	No Reporting	83
131	DH, Sankhuwasabha	On Time	32	236	DH, Terhathum	No Reporting	96
132	AMDA Hosp., Jhapa	On Time	100	237	DH, Bhojpur	On Time	100
133	DH, Chautara	On Time	100	238	DH, Khotang	No Reporting	36
134	DH, Sarlahi	On Time	100	301	Bayalpata Hosp., Achham	On Time	100
135	DH, Sindhuli	On Time	100	302	Tikapur Hospital, Kailali	On Time	58
						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.