

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(26th Epidemiological Week)

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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

- **Cholera:** One case of Cholera is reported this week from Patan Hospital, Lalitpur. The Sample is confirmed positive by NPHL and the case is from Lalitpur district.
- **Malaria:** Two cases of Malaria (*Plasmodium Vivax*) are reported this week, one each from Seti Zonal Hospital, Kailali and District Hospital, Syangja. The cases are from Dhangadhi Sub Metropolitan of Kailali district and Putali bazar Municipality of Syangja district.
- **Kala-azar:** Two cases of Kala azar are reported this week, one each from Seti Zonal Hospital, Kailali and Bheri Zonal Hospital, Banke. The cases are from Nawadurga Rural Municipality of Dadeldhura district and Palata Rural Municipality of Kalikot district.
- **Dengue:** Two cases of Dengue are reported this week, one each from Sukraraj Tropical and Infectious Disease Hospital, Teku and Charikot PHCC Dolakha. The cases are from Birgunj Sub Metropolitan of Birgunj district and Tamakoshi Rural Municipality of Dolakha district.
- **Scrub Typhus:** Four cases of Scrub Typhus are reported this week, one each from Kanti Children Hospital, Kathmandu, Sukraraj tropical and Infectious Disease Hospital, Teku and United Mission Hospital, Palpa. The cases are from Rupandehi, Nuwakot and Palpa district.
- **SARI:** One death from SARI is reported this week from Koshi Zonal Hospital, Morang and the deceased was from Morang district.

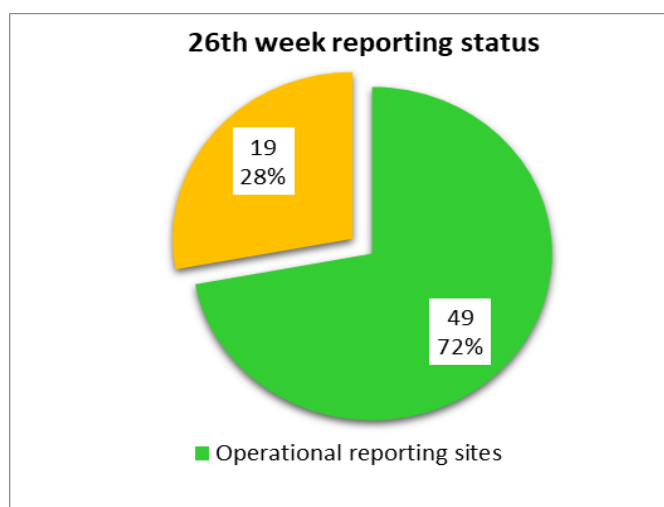
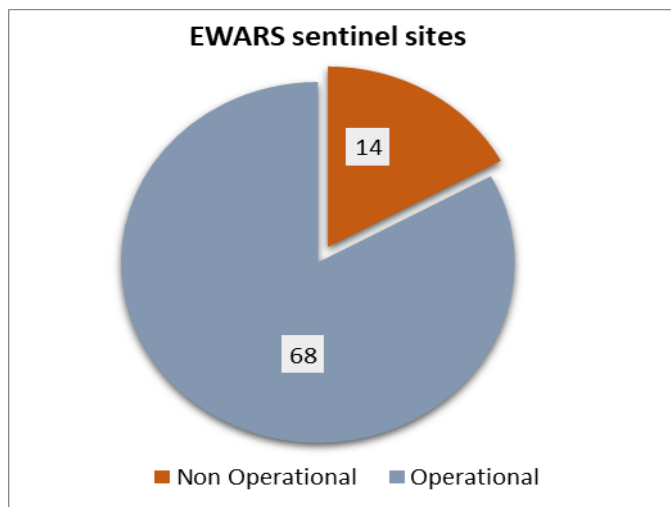
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs)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

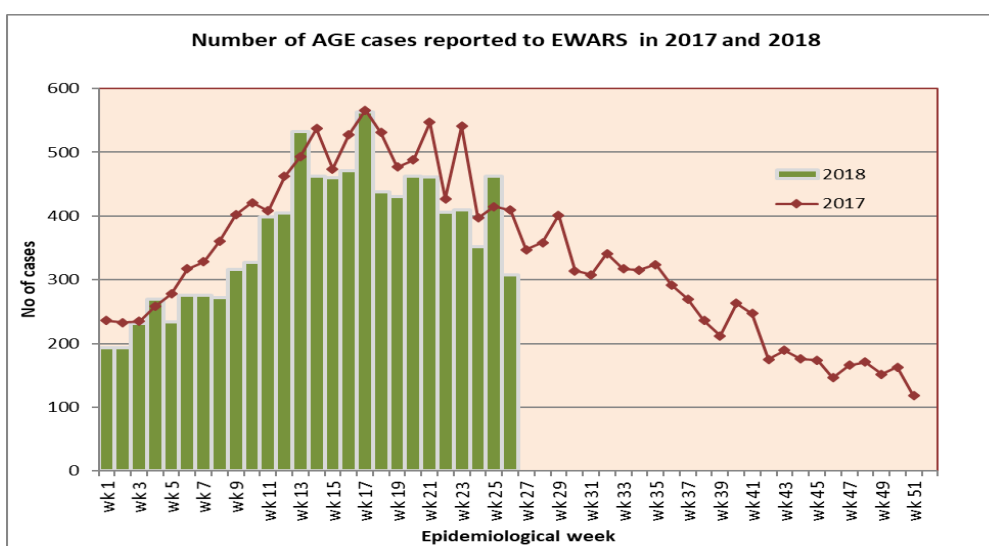
Out of 68 functional EWARS sentinel sites, report was received from 49 sentinel sites (72 percent) whereas 19 sentinel sites did not report in 26th Epidemiological week of 2018. The reporting coverage is decreased as compared to previous week.



1.1 Acute Gastro-Enteritis and Cholera

308 cases of AGE are reported in 26th epidemiological week of 2018. Among 308 cases, the majority of cases are from Parsa (30 cases), Dolakha (21 cases), Kailali (18 cases), Terhathum (16 cases), Lamjung (15 cases), Bara (14 cases), Saptari (12 cases), Kathmandu (11 cases), Dhankutta (11 cases), and Dhading (10 cases) district. The number of AGE cases reported in 26th week this year did not exceed the number of AGE cases reported in the same week last year (409 cases).

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



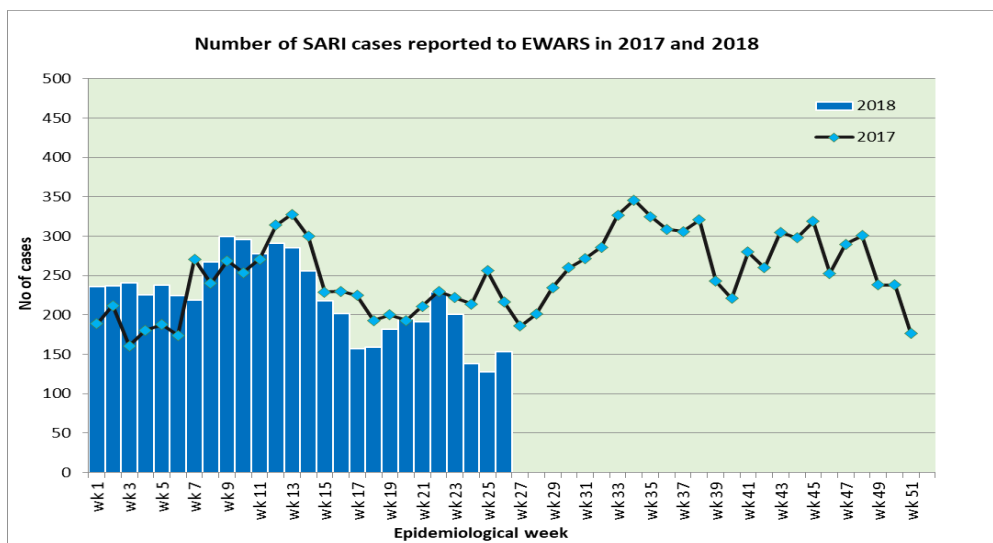
Cholera: One case of Cholera is reported this week from Patan Hospital, Lalitpur and the case is from Lalitpur district.

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)

153 cases of SARI are reported in 26th epidemiological week of 2018. The cases of SARI reported this week did not exceed the number reported in the same week last year (217 cases). Among 153 reported cases, the majority of cases are from Jhapa (22 cases), Rupandehi (16 cases), Palpa (10 cases), Panchthar (10 cases), Morang (9 cases), Kapilbastu (6 cases) and Parsa (5 cases) district.

One death from SARI is reported this week from Koshi Zonal Hospital, Morang and the deceased was from Morang district. 27 deaths from SARI are reported so far this year. Eighty two deaths from SARI were reported in 2017.



1.3 Enteric Fever

50 cases of Enteric fever are reported this week including 5 from Morang, 4 from Jhapa, 4 from Dolakha, 3 from Kathmandu, 3 from Kavre and 3 from Palpa district. No death from Enteric fever is reported so far this year. Three deaths from Enteric Fever were reported in 2017.

1.4 Malaria

Two cases of Malaria (*Plasmodium Vivax*) are reported this week, one each from Seti Zonal Hospital, Kailali and District Hospital, Syangja. The cases are from Dhangadhi Sub Metropolitan of Kailali district and Putali bazar Municipality of Syangja district.

1.5 Dengue

Two cases of Dengue are reported this week, one each from Sukraraj Tropical and Infectious Disease Hospital, Teku and Charikot PHCC Dolakha. The cases are from Birgunj Sub Metropolitan of Birgunj district and Tamakoshi Rural Municipality of Dolakha district.

Seventeen 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

Two cases of Kala azar are reported this week, one each from Seti Zonal Hospital, Kailali and Bheri Zonal Hospital, Banke. The cases are from Nawadurga Rural Municipality of Dadeldhura district and Palata Rural Municipality of Kalikot district.

Ninety six 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

Four cases of Scrub Typhus are reported this week, one each from Kanti Children Hospital, Kathmandu, Sukraraj tropical and Infectious Disease Hospital, Teku and United Mission Hospital, Palpa. The cases are from Rupandehi, Nuwakot and Palpa district.

Forty two 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:

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	On Time	100
104	BPKIHS, Dharan	No Reporting	96	139	DH, Dolpa	No Reporting	0
105	DH, Dhankuta	On Time	100	140	DH, Humla	No Reporting	0
106	SZH, Saptari	On Time	10	201	L. Comm DH, Lamjung	On Time	100
107	RKUP Lahan, Siraha	No Reporting	96	202	DH, Dhading	On Time	73
108	DH, Siraha	On Time	85	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	On Time	46
112	NSRH, Parsa	On Time	100	207	DH Trishuli, Nuwakot	No Reporting	19
113	DH, Makawanpur	On Time	100	208	Charikot PHCC, Dolakha	On Time	95
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	73
116	STIDH, Kathmandu	On Time	100	211	DH, Tanahun	No Reporting	10
117	UMH, Palpa	On Time	100	212	WRH, Kaski	On Time	100
118	PCH, Nawalparasi	On Time	100	214	DH, Gulmi	No Reporting	73
119	PBH, Kapilbastu	On Time	100	215	DZH, Baglung	On Time	100
120	LZH, Rupandehi	On Time	100	216	DH, Parbat	On Time	35
121	RSRH Dang	No Reporting	96	217	DH, Arghakhanchi	No Reporting	20
122	MWRH, Surkhet	No Reporting	96	218	DH, Manang	On Time	95
123	BZH, Banke	On Time	57	219	DH, Mustang	On Time	53
124	SZH, Kailali	On Time	53	220	DH, Pyuthan	No Reporting	96
125	MZH, Kanchanpur	No Reporting	96	229	DH, Achham	No Reporting	96
126	DH, Doti	On Time	100	230	DH, Baitadi	No Reporting	76
127	DH, Bardiya	On Time	100	231	DH, Darchula	No Reporting	40
128	DH, Mahottari	No Reporting	10	234	DH, Taplejung	On Time	50
129	DH, Dadeldhura	No Reporting	0	235	DH, Panchthar	On Time	100
130	DH, Rasuwa	On Time	100	236	DH, Terhathum	On Time	100

131	DH, Sankhuwasabha	No Reporting	20	237	DH, Bhojpur	On Time	100
132	AMDA Hosp., Jhapa	On Time	100	238	DH, Khotang	No Reporting	60
133	DH, Chautara	On Time	100	301	Bayalpata Hosp., Achham	On Time	100
134	DH, Sarlahi	On Time	100	302	Tikapur Hospital, Kailali	On Time	53
135	DH, Sindhuli	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 EDCCD's official website www.edcd.gov.np. This bulletin is also available at the website.