

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(25th Epidemiological Week)

1 July, 2018



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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.

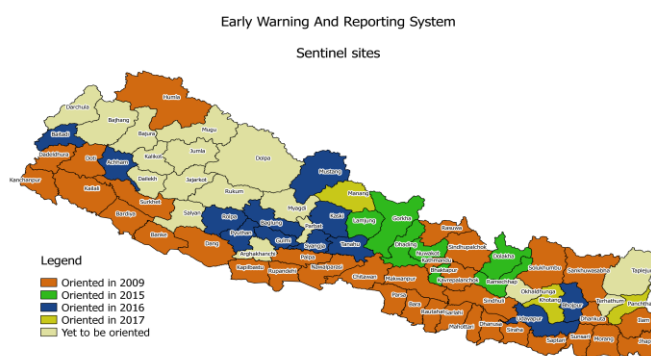
Section 1: The Early Warning and Reporting System (EWARS)

Highlights

- Malaria:** Sixteen cases of Malaria (*Plasmodium Vivax*) have been reported from Khatyard Rural Municipality ward 8 and 10 of Mugu district since 18 June, 2018 (4th Ashad, 2075). Majority of cases are under 16 years of Age. Indoor residual Spraying along with awareness program has been carried out in affected areas. The situation is under control.
 In addition to this, two cases of Malaria (*Plasmodium Vivax*) are reported this week, one each from District Hospital, Gulmi and Seti Zonal Hospital, Kailali. The cases are from Dhurkot Rural Municipality of Gulmi district and Dhangadhi Sub Metropolitan of Kailali district.
- Kala-azar:** Five cases of Kala-azar are reported this week, one each from District Hospital, Siraha; Seti Zonal Hospital, Kailali; District Hospital, Sarlahi; Mechi Zonal Hospital, Jhapa and United Mission Hospital, Palpa. The cases are from Siraha, Dadeldhura, Sarlahi, Jhapa and Arghakhanchi district.
- Dengue:** Two cases of Dengue are reported this week one each from Lumbini Zonal Hospital, Rupandehi and Bheri Zonal Hospital, Banke. The cases are from Chandrakot Rural Municipality of Gulmi district and Bajinath Rural Municipality of Banke district.
- Scrub Typhus:** Five cases of Scrub Typhus are reported this week, two from Kanti Children Hospital, Kathmandu two from Bheri Zonal Hospital Kailali and one from Seti Zonal Hospital, Kailali. The cases are from Kailali, Arghakhanchi, Banke, Bardiya and Makwanpur district
- AGE:** Two deaths from AGE are reported this week one each from Kanti Children Hospital, Kathmandu and Lumbini Zonal Hospital, Rupandehi. The deceased were from Lamjung and Rupandehi district.

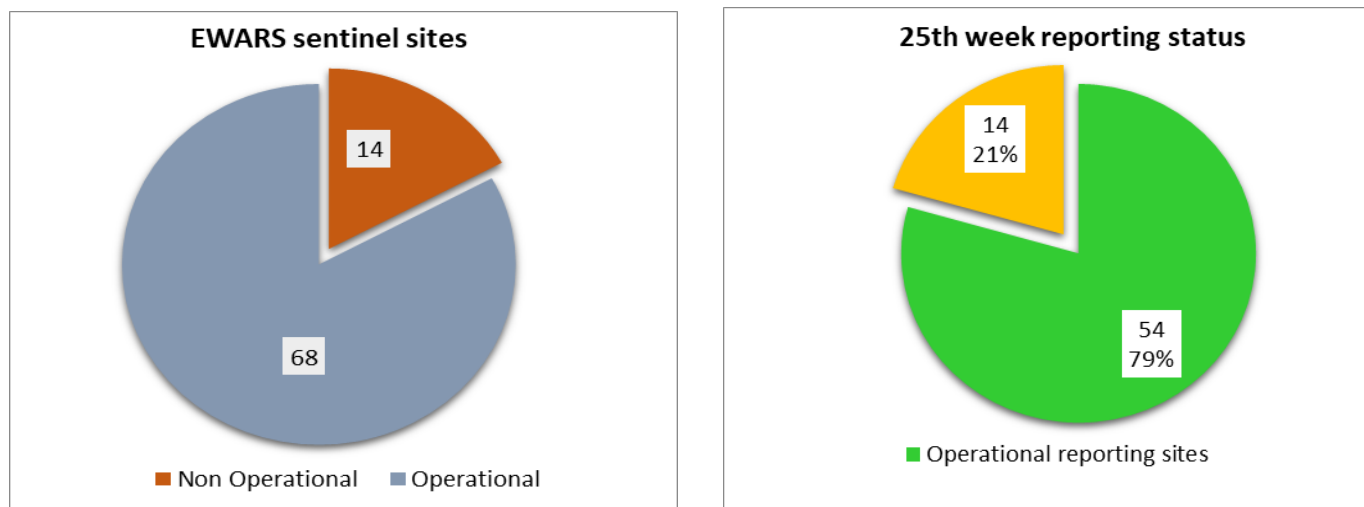
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs)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

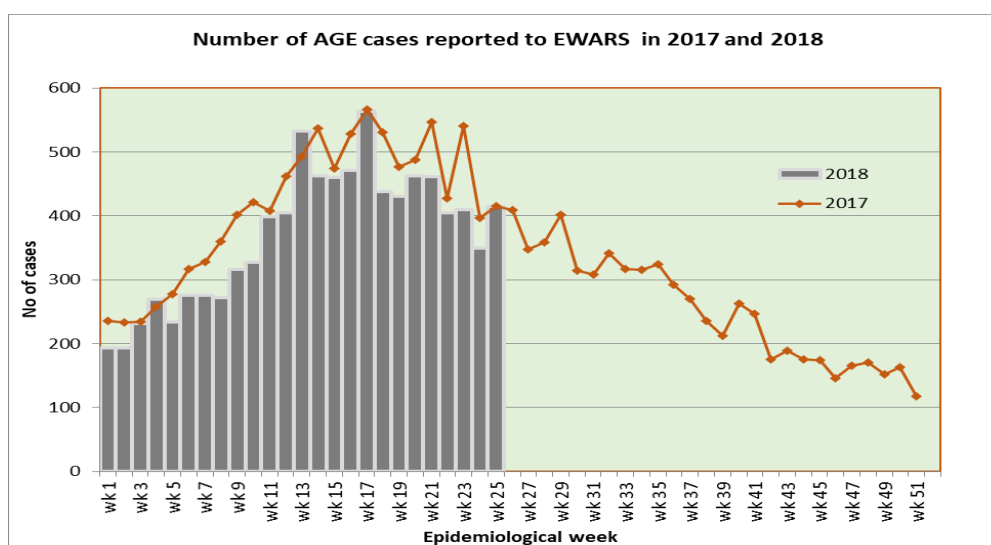
Out of 68 functional EWARS sentinel sites, report was received from 54 sentinel sites (79 percent) whereas 14 sentinel sites did not report in 25th Epidemiological week of 2018. The reporting coverage is increased as compared to previous week.



1.1 Acute Gastro-Enteritis and Cholera

415 cases of AGE are reported in 25th epidemiological week of 2018. Among 415 cases, the majority of cases are from Parsa (35 cases), Achham (30 cases), Kailali (30 cases), Kanchanpur (26 cases), Dolakha (24 cases), Bara (18 cases), Kapilbastu (17 cases), Rupandehi (17 cases), Jhapa (15 cases), and Kathmandu (14 cases) district. The number of AGE cases reported in 25th week this year is same as compared the number of AGE cases reported in the same week last year (415 cases).

Two deaths from AGE are reported this week one each from Kanti Children Hospital, Kathmandu and Lumbini Zonal Hospital, Rupandehi. The deceased were from Lamjung and Rupandehi district. Nine deaths from AGE are reported so far this year. Twenty deaths from AGE were reported in 2017.

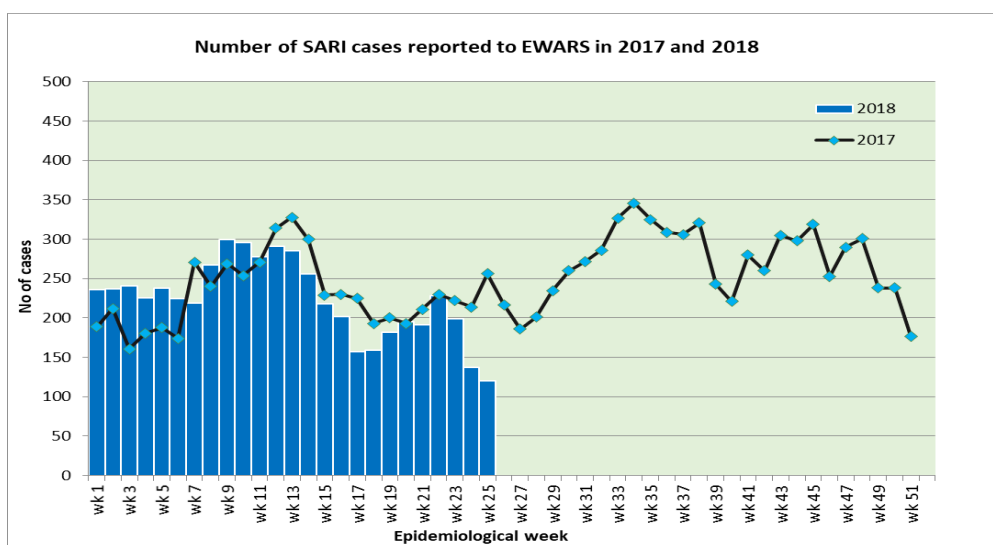


Cholera: Two Cholera cases have been reported from Sukraraj Tropical and Infectious Disease Hospital, Teku, Kathmandu since 6th June, 2018. The samples are confirmed positive by National Public Health Laboratory and the cases are from Nuwakot and Kathmandu district.

1.2 Severe Acute Respiratory Infection (SARI)

120 cases of SARI are reported in 25th epidemiological week of 2018. The cases of SARI reported this week did not exceed the number reported in the same week last year (256 cases). Among 120 reported cases, the majority of cases are from Jhapa (14 cases), Morang (11 cases), Rupandehi (11 cases), Kailali (8 cases), Sunsari (6 cases), Dhankuta (5 cases), Dolakha (5 cases) and Parsa (5 cases) district.

No death from SARI is reported this week. 26 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 6 from Myagdi, 6 from Parsa, 5 from Dolakha, 4 from Gulmi, 4 from Bara, 3 from Kaski and 3 from 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

Sixteen cases of Malaria (*Plasmodium Vivax*) have been reported from Khatyard Rural Municipality ward 8 and 10 of Mugu district since 18 June, 2018 (4th Ashad, 2075). Majority of cases are under 16 years of Age. Indoor residual Spraying along with awareness program has been carried out in affected areas. The situation is under control.

In addition to this, two cases of Malaria (*Plasmodium Vivax*) are reported this week one each from District Hospital, Gulmi and Seti Zonal Hospital, Kailali. The cases are from Dhurkot Rural Municipality of Gulmi district and Dhangadhi Sub Metropolitan of Kailali district.

1.5 Dengue

Two cases of Dengue are reported this week one each from Lumbini Zonal Hospital, Rupandehi and Bheri Zonal Hospital, Banke. The cases are from Chandrakot Rural Municipality of Gulmi district and Baijnath Rural Municipality of Banke district.

Fifteen 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

Five cases of Kala-azar are reported this week, one each from District Hospital, Siraha, Seti Zonal Hospital, Kailali, District Hospital, Sarlahi, Mechi Zonal Hospital, Jhapa and United Mission Hospital, Palpa. The cases are from Siraha, Dadeldhura, Sarlahi, Jhapa and Arghakhanchi district.

Ninety 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

Five cases of Scrub Typhus are reported this week, two from Kanti Children Hospital, Kathmandu two from Bheri Zonal Hospital Kailali and one from Seti Zonal Hospital, Kailali. The cases are from Kailali, Arghakhanchi, Banke, Bardiya and Makwanpur district.

Thirty eight 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	On Time	100	139	DH, Dolpa	No Reporting	0
105	DH, Dhankuta	On Time	100	140	DH, Humla	No Reporting	0
106	SZH, Saptari	No Reporting	0	201	L. Comm DH, Lamjung	On Time	100
107	RKUP Lahan, Siraha	On Time	100	202	DH, Dhading	No Reporting	70
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	20	205	Patan Hospital, Lalitpur	On Time	100
111	DH, Bara	On Time	100	206	DH, Gorkha	On Time	40
112	NSRH, Parsa	On Time	100	207	DH Trishuli, Nuwakot	On Time	20
113	DH, Makawanpur	No Reporting	96	208	Charikot PHCC, Dolakha	On Time	95
114	Bharatpur Hospital, Chitwan	No Reporting	84	209	Jiri H, Dolakha	On Time	100
115	Kanti CH, Kathmandu	On Time	100	210	DH, Syangja	On Time	70
116	STIDH, Kathmandu	On Time	100	211	DH, Tanahun	No Reporting	20
117	UMH, Palpa	On Time	100	212	WRH, Kaski	On Time	100
118	PCH, Nawalparasi	On Time	100	214	DH, Gulmi	On Time	76
119	PBH, Kapilbastu	On Time	100	215	DZH, Baglung	On Time	100
120	LZH, Rupandehi	On Time	100	216	DH, Parbat	On Time	30
121	RSRH Dang	On Time	100	217	DH, Arghakhanchi	On Time	20
122	MWRH, Surkhet	On Time	100	218	DH, Manang	No Reporting	95
123	BZH, Banke	On Time	50	219	DH, Mustang	On Time	50
124	SZH, Kailali	On Time	50	220	DH, Pyuthan	On Time	100
125	MZH, Kanchanpur	On Time	100	229	DH, Achham	On Time	100
126	DH, Doti	On Time	100	230	DH, Baitadi	On Time	80

127	DH, Bardiya	On Time	100	231	DH, Darchula	On Time	45
128	DH, Mahottari	No Reporting	30	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	65
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	50
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.