

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(35th 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.

The Early Warning and Reporting System (EWARS)

Highlights

Food Poisoning: 239 cases of food poisoning have been reported from Panchkhal Municipality-12 of Kavre district. On September 7, 2018 (22 Bhadra, 2075) 300 to 500 people were invited to a Teej (Daar) program by local cooperative. People experienced fever, vomiting, diarrhea and abdominal pain and have been receiving treatment in different hospitals. Team from EDCD, NPHL, WHO has been mobilized to incident site. Sample has been collected for investigation.

Influenza Like Illness (ILI): Around 1300 cases of ILI including 3 deaths have been reported from Kanchanpur Municipality of Rupandehi district Since 5 Bhadra, 2075. Team from EDCD, along with NPHL, BPKIHS and DPHO Saptari have been mobilized to the affected area. Sample has been collected for Investigation.

Kala-azar: Four cases of Kala azar are reported this week, two from Sukraraj Tropical and Infectious Disease Hospital, Teku and one each from BPKIHS, Dharan and Mid-Western Regional Hospital, Surkhet. The cases are from Siraha, Bhaktapur, and Surkhet district.

Malaria: Two cases of Malaria (*Plasmodium Vivax*) are reported this week from Lumbini Zonal Hospital, Rupandehi and the case are from Kanchan Rural Municipality of Rupandehi district and Khatyad Rural Municipality of Mugu district.

Dengue: Eleven cases of Dengue are reported this week, nine from Lumbini Zonal Hospital, Rupandehi and one each from Prithvi Bir Hospital, Kapilbastu and Seti Zonal Hospital, Kailali. The cases are from Rupandehi, Arghakhanchi, Kapilbastu and Darchula district.

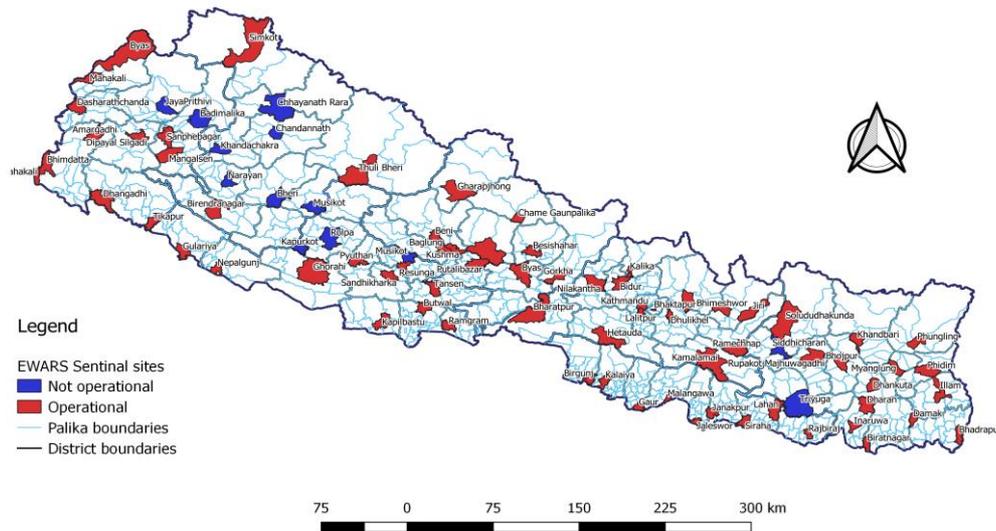
Scrub Typhus: Thirty-seven cases of Scrub Typhus including one death are reported this week. The deceased was from Butwal Sub Metropolitan of Rupandehi district.

AGE: One death from AGE 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.

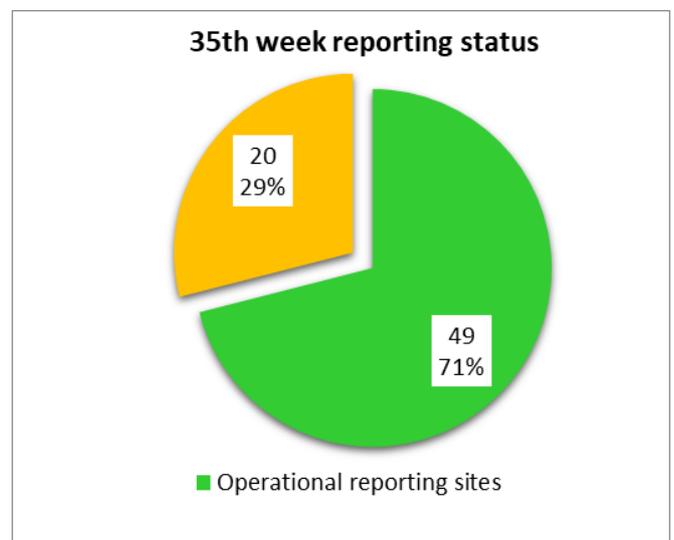
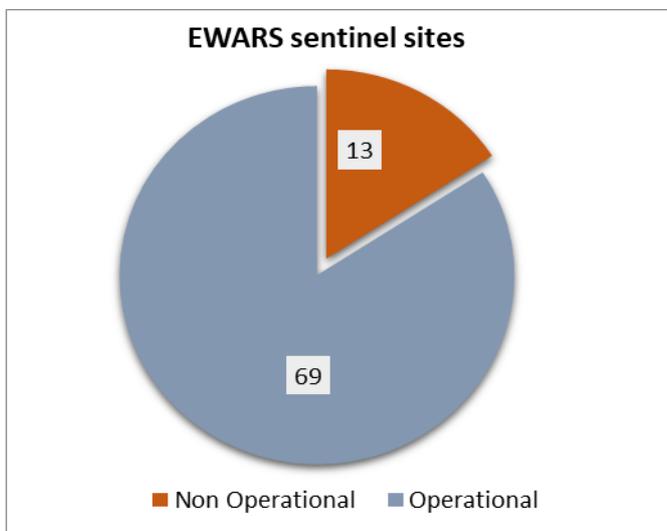
This information system is hospital-based and is currently operational in 68 hospitals (out of 82 sites) throughout Nepal (Figure 1). So far, the EWARS mainly focuses on the **weekly reporting** of number of cases and deaths (including "zero" reports) of six priority diseases/syndromes—Malaria, Kala-azar, 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.

EWARS Sentinel Sites



Reporting Status

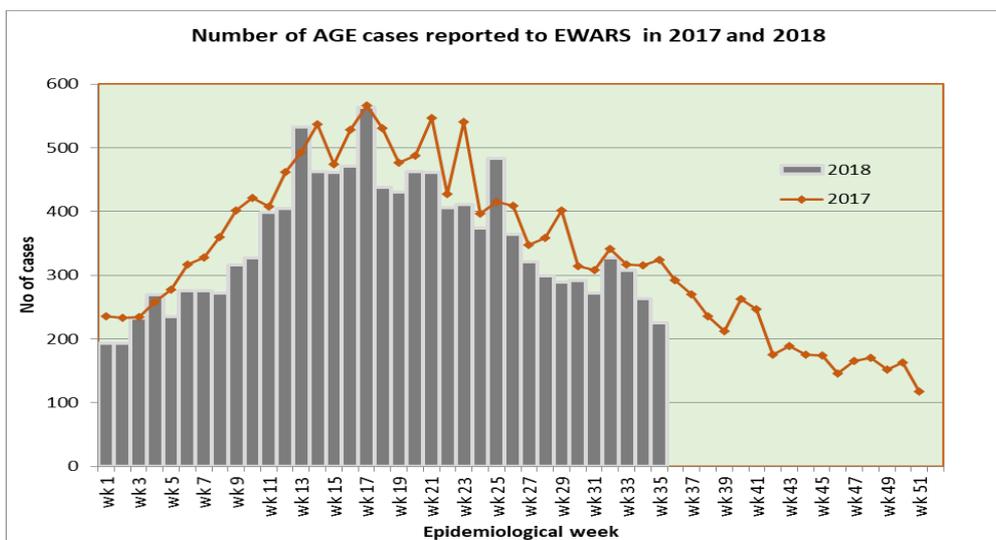
Out of 69 functional EWARS sentinel sites, report was received from 49 sentinel sites (71 percent) whereas 20 sentinel sites did not report in 35th Epidemiological week of 2018. The reporting coverage is increased as compared to previous week.



1.1 Acute Gastro-Enteritis and Cholera

225 cases of AGE are reported in 35th epidemiological week of 2018. Among 225 cases, the majority of cases are from Saptari (28 cases), Kapilbastu (23 cases), Achham (15 cases), Dhanusha (13 cases), Ilam (11 cases), Dolakha (11 cases), Kanchanpur (10 cases), Bara (10 cases), Rupandehi (9 cases) and Lamjung (8 cases) district. The number of AGE cases reported in 35th week this year did not exceed the number of AGE cases reported in the same week last year (324 cases).

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

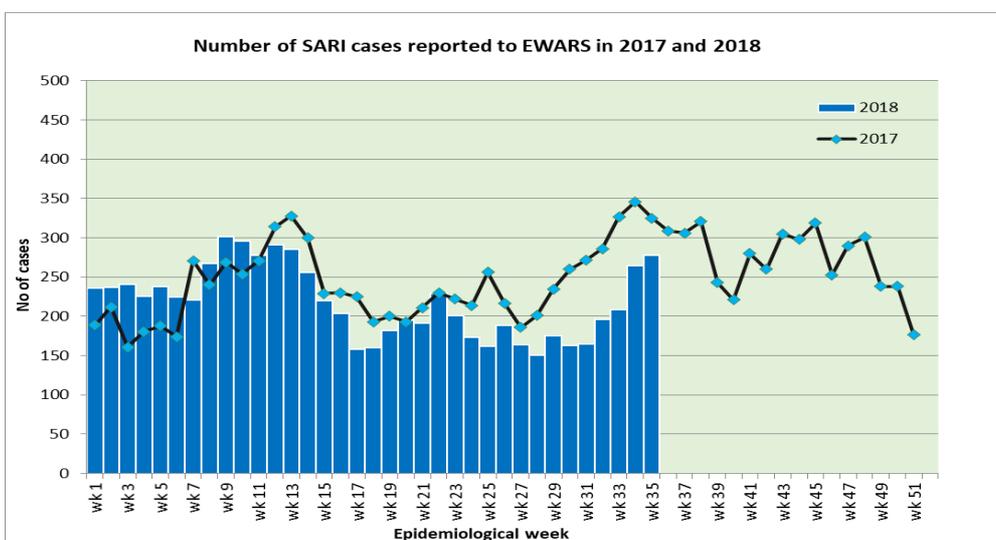


Cholera: A total of 3 cases of Cholera have been reported this year. The samples are confirmed positive by National Public Health Laboratory and the cases are from Nuwakot, Kathmandu and Lalitpur district.

1.2 Severe Acute Respiratory Infection (SARI)

278 cases of SARI are reported in 35th epidemiological week of 2018. The cases of SARI reported this week did not exceed the number reported in the same week last year (325 cases). Among 278 reported cases, the majority of cases are from Lalitpur (32 cases), Sindhuli (27 cases), Morang (24 cases), Sindhupalchok (18 cases), Rupandehi (16 cases), Dhankuta (15 cases), Palpa (14 cases), Jhapa (11 cases) and Kathmandu (9 cases) district.

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



1.3 Enteric Fever

79 cases of Enteric fever are reported this week including 8 from Ilam, 8 from Lamjung, 7 from Dhading, 5 from Nawalparasi, 5 from Palpa and 5 from Parbat 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 from Lumbini Zonal Hospital, Rupandehi and the case are from Kanchan Rural Municipality of Rupandehi district and Khatyad Rural Municipality of Mugu district.

1.5 Dengue

Eleven cases of Dengue are reported this week, nine from Lumbini Zonal Hospital, Rupandehi and one each from Prithvi Bir Hospital, Kapilbastu and Seti Zonal Hospital, Kailali. The cases are from Rupandehi, Arghakhanchi, Kapilbastu and Darchula district.

Sixty eight cases of Dengue including two 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 Sukraraj Tropical and Infectious Disease Hospital, Teku and one each from BPKIHS, Dharan and Mid-Western Regional Hospital, Surkhet. The cases are from Siraha, Bhaktapur, and Surkhet district.

One Hundred twenty-one 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

Thirty-seven cases of Scrub Typhus including one death are reported this week. The death case was reported from Lumbini Zonal Hospital, Rupandehi. The patient was admitted and treated at CRIMSON Hospital, Rupandehi and the deceased was from Rupandehi district.

Among 36 other cases, 16 cases are reported from United Mission Hospital, Palpa, 7 from Seti Zonal Hospital, Kailali, 5 from Sukraraj Tropical and Infectious Disease Hospital, Teku, 5 from Lumbini Zonal Hospital, Rupandehi and 4 from Kanti Children Hospital, Kathmandu. The cases are from Kapilbastu, Palpa, Syangja, Dang, Kailali, Dadel dhura, Darchula, Rupandehi, Sindhupalchok, Dhading, Gorkha, Bara, Pyuthan and Gulmi district.

Two Hundred sixty six 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	No Reporting	97	136	DH, Illam	On Time	100
102	Koshi ZH, Morang	On Time	100	137	Dhulikhel H., Kavre	No Reporting	97
103	DH, Sunsari	On Time	100	138	DH, Solukhumbu	On Time	97
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	60	201	L. Comm DH, Lamjung	On Time	100
107	RKUP Lahan, Siraha	On Time	100	202	DH, Dhading	On Time	85
108	DH, Siraha	No Reporting	71	203	DH, Ramechhap	On Time	100
109	JZH, Dhanusha	On Time	100	204	Bhaktapur Hospital	No Reporting	10
110	DH, Rautahat	No Reporting	10	205	Patan Hospital, Lalitpur	On Time	100
111	DH, Bara	On Time	100	206	DH, Gorkha	No Reporting	20
112	NSRH, Parsa	No Reporting	88	207	DH Trishuli, Nuwakot	No Reporting	10
113	DH, Makwanpur	No Reporting	94	208	Charikot PHCC, Dolakha	On Time	97
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	90
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	On Time	100	213	DH, Myagdi	On Time	72
119	PBH, Kapilbastu	On Time	100	214	DH, Gulmi	On Time	81
120	LZH, Rupandehi	On Time	100	215	DZH, Baglung	On Time	100
121	RSRH Dang	On Time	100	216	DH, Parbat	On Time	62
122	MWRH, Surkhet	On Time	100	217	DH, Arghakhanchi	On Time	32
123	BZH, Banke	No Reporting	62	218	DH, Manang	On Time	96
124	SZH, Kailali	On Time	76	219	DH, Mustang	On Time	74
125	MZH, Kanchanpur	On Time	100	220	DH, Pyuthan	No Reporting	78
126	DH, Doti	No Reporting	88	229	DH, Achham	On Time	100
127	DH, Bardiya	On Time	100	230	DH, Baitadi	On Time	80
128	DH, Mahottari	No Reporting	10	231	DH, Darchula	On Time	60
129	DH, Dadeldhura	No Reporting	0	234	DH, Taplejung	No Reporting	26
130	DH, Rasuwa	No Reporting	80	235	DH, Panchthar	No Reporting	68
131	DH, Sankhuwasabha	On Time	47	236	DH, Terhathum	No Reporting	78
132	AMDA Hosp., Jhapa	On Time	100	237	DH, Bhojpur	On Time	100
133	DH, Chautara	On Time	100	238	DH, Khotang	No Reporting	26
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	67
						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.