

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(36th Epidemiological Week)

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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.

The Early Warning and Reporting System (EWARS)

Highlights

Influenza Like Illness (ILI): Around 3500 cases (including 2159 from fever clinics) of Influenza Like Illness (ILI) and 4 deaths has been reported from Kanchanrup Municipality, Hanumannagar Kankalini Municipality of Saptari district since 05 Bhadra 2075. Team from BPKIHS, Kanchanrup Municipality, NPHL, WHO Weds Officers and EDCD were mobilized for the outbreak investigation, response and control. As per the lab results from NPHL; Out of 24 throat swabs were collected, 12 samples were positive for Influenza A/H3 & 1 sample positive for Influenza A(H1N1) pdm09. Fever clinics camps are being conducted in different wards of Kanchanrup Municipality.

Food Poisoning: 590 people were suffered from suspected food poisoning from ward no - 9, 11 & 12 of Panchkhal Municipality of Kavre district. As of the lab results reported to EDCD from NPHL Coliform and E-coli were detected in the drinking water samples. Toxicity tests on food and water samples performed at National Forensic Laboratory, Khumaltar did not show of insecticides and rodenticides.

Malaria: Five cases of Malaria (*Plasmodium Vivax*) are reported this week, two from Bheri Zonal Hospital, Banke and one each from Narayani Sub Regional Hospital, Parsa, Lumbini Zonal Hospital, Rupandehi and Seti Zonal Hospital, Kailali. The cases are from Banke, Kailali, Arghakhanchi and Bara district.

Dengue: Six cases of Dengue are reported this week, four from Lumbini Zonal Hospital, Rupandehi and two from Bheri Zonal Hospital, Banke. The cases are from Rupandehi and Bardiya district.

Kala azar: Four cases of Kala azar are reported this week, two each from Sukraraj Tropical and Infectious Disease Hospital, Teku and Bheri Zonal Hospital, Banke. The cases are from Darchula, Baitadi, Kalikot and Mugu district.

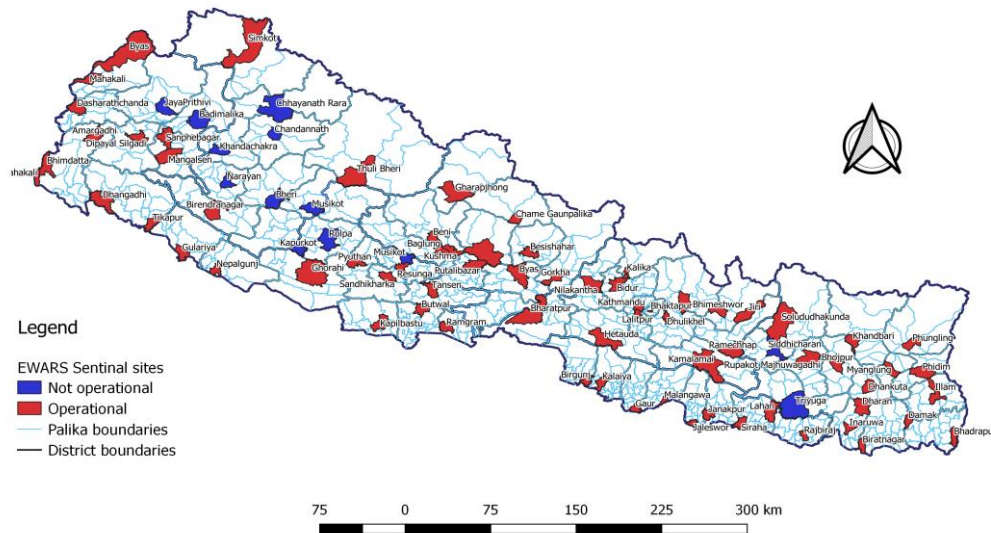
Scrub Typhus: Forty eight cases of Scrub Typhus are reported this week, The cases are from Baglung, Dhanusha, Kapilbastu, Palpa, Syangja, Dang, Chitwan, Rupandehi, Sindhuli, Arghakhanchi, Illam, Bardiya, Banke, Kathmandu, Myagdi, Bara and Gulmi district.

SARI: One death from SARI is reported this week from Lumbini Zonal Hospital, Rupandehi and the deceased was from Tilottama Municipality 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.

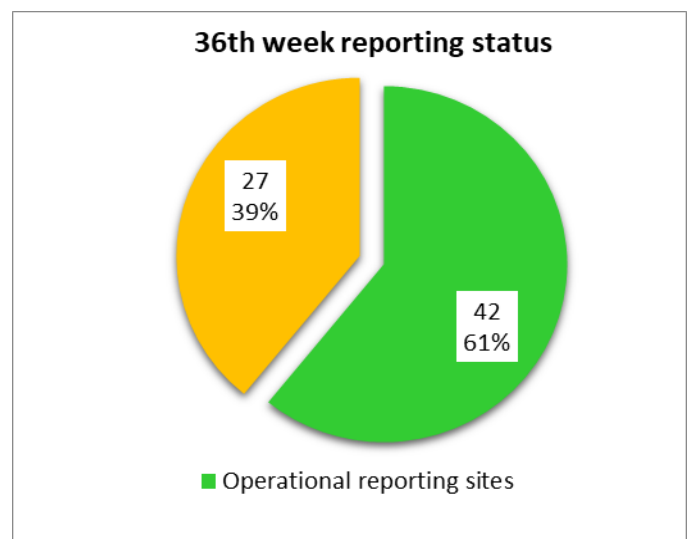
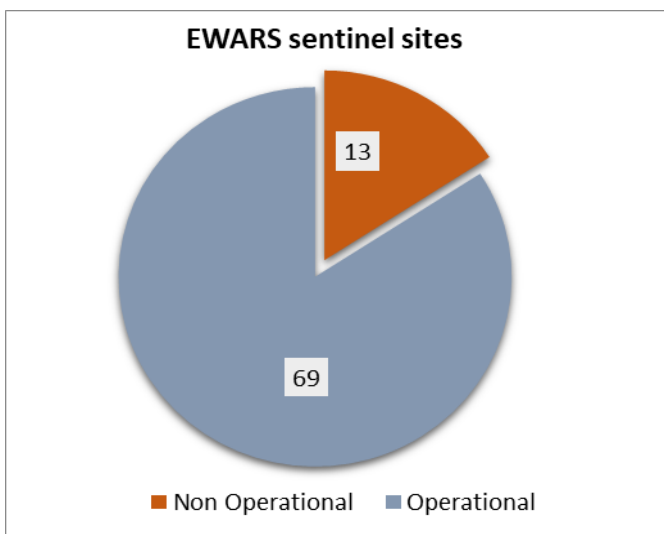
This information system is hospital-based and is currently operational in 69 hospitals (out of 82 sites) throughout Nepal (Figure 1). So far, the EWARS mainly focuses on the **weekly reporting** of number of cases and deaths (including "zero" reports) of six priority diseases/syndromes—Malaria, Kala-azar, 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

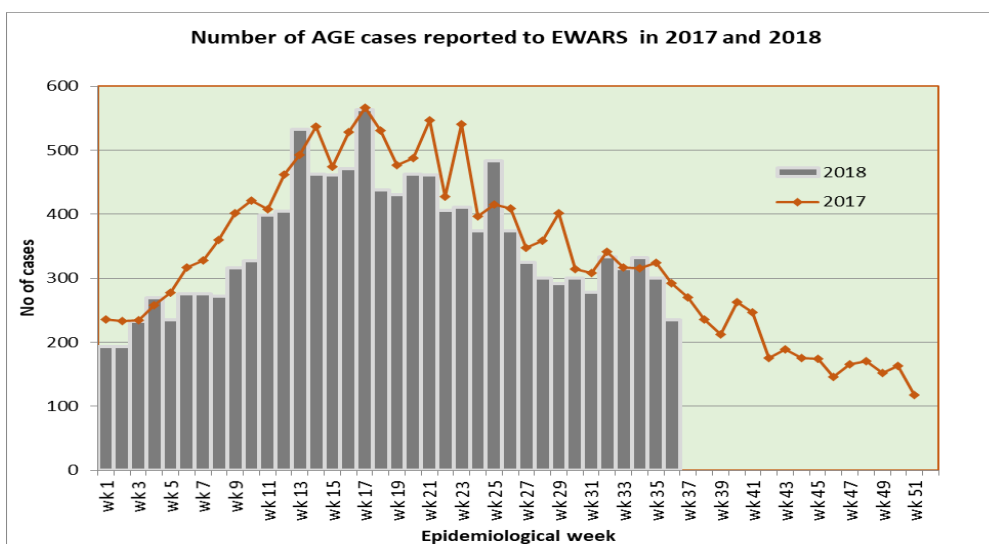
Out of 69 functional EWARS sentinel sites, report was received from 42 sentinel sites (61 percent) whereas 27 sentinel sites did not report in 36th Epidemiological week of 2018. The reporting coverage is decreased as compared to previous week.



1.1 Acute Gastro-Enteritis and Cholera

235 cases of AGE are reported in 36th epidemiological week of 2018. Among 235 cases, the majority of cases are from Parsa (32 cases), Saptari (21 cases), Kapilbastu (21 cases), Dhanusha (18 cases), Bara (17 cases), Kanchanpur (13 cases), Sunsari (10 cases), Rupandehi (9 cases) and Dolakha (7 cases) district. The number of AGE cases reported in 36th week this year did not exceed the number of AGE cases reported in the same week last year (292 cases).

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

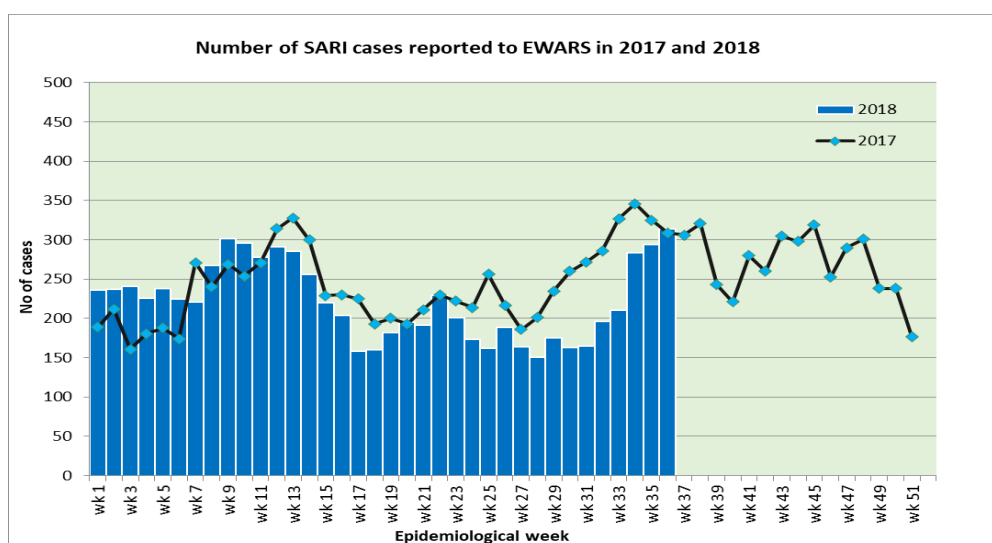


Cholera: A total of 3 cases of Cholera have been reported this year. The samples are confirmed positive by National Public Health Laboratory and the cases are from Nuwakot, Kathmandu and Lalitpur district.

1.2 Severe Acute Respiratory Infection (SARI)

313 cases of SARI are reported in 36th epidemiological week of 2018. The cases of SARI reported this week slightly exceed the number reported in the same week last year (309 cases). Among 313 reported cases, the majority of cases are from Sindhuli (26 cases), Lalitpur (26 cases), Morang (26 cases), Sindhupalchok (21 cases), Kathmandu (15 cases), Jhapa (14 cases), Palpa (14 cases), Rupandehi (14 cases) and Kailali (13 cases) district.

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



1.3 Enteric Fever

81 cases of Enteric fever are reported this week including 9 from Ilam, 8 from Gulmi, 7 from Lamjung, 6 from Nawalparasi, 5 from Myagdi and 4 from Morang district. No death from Enteric fever is reported so far this year. Three deaths from Enteric Fever were reported in 2017.

1.4 Malaria

Five cases of Malaria (*Plasmodium Vivax*) are reported this week, two from Bheri Zonal Hospital, Banke and one each from Narayani Sub Regional Hospital, Parsa, Lumbini Zonal Hospital, Rupandehi and Seti Zonal Hospital, Kailali. The cases are from Banke, Kailali, Arghakhanchi and Bara district.

1.5 Dengue

Six cases of Dengue are reported this week, four from Lumbini Zonal Hospital, Rupandehi and two from Bheri Zonal Hospital, Banke. The cases are from Rupandehi and Bardiya district.

Seventy four 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 each from Sukraraj Tropical and Infectious Disease Hospital, Teku and Bheri Zonal Hospital, Banke. The cases are from Darchula, Baitadi, Kalikot and Mugu district.

One Hundred twenty-five 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

Forty eight cases of Scrub Typhus are reported this week, 23 cases are reported from United Mission Hospital, Palpa, 9 cases are reported from Lumbini Zonal Hospital, Rupandehi, 5 from Kanti Children Hospital, Kathmandu, 4 from Sukraraj Tropical and Infectious Disease Hospital, Teku, three each from Bheri Zonal Hospital, Banke and one from District Hospital, Dhading. The cases are from Baglung, Dhanusha, Kapilbastu, Palpa, Syangja, Dang, Chitwan, Rupandehi, Sindhuli, Arghakhanchi, Illam, Bardiya, Banke, Kathmandu, Myagdi, Bara and Gulmi district.

Three hundred forty eight 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	94	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	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	61	201	L. Comm DH, Lamjung	On Time	100
107	RKUP Lahan, Siraha	No Reporting	97	202	DH, Dhading	On Time	85
108	DH, Siraha	On Time	73	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	On Time	100	207	DH Trishuli, Nuwakot	No Reporting	10
113	DH, Makwanpur	No Reporting	91	208	Charikot PHCC, Dolakha	On Time	97
114	Bharatpur Hospital, Chitwan	No Reporting	97	209	Jiri H, Dolakha	On Time	100
115	Kanti CH, Kathmandu	On Time	100	210	DH, Syangja	No Reporting	88
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	97	213	DH, Myagdi	On Time	74
119	PBH, Kapilbastu	On Time	100	214	DH, Gulmi	On Time	83
120	LZH, Rupandehi	On Time	100	215	DZH, Baglung	No Reporting	97
121	RSRH Dang	No Reporting	97	216	DH, Parbat	On Time	64
122	MWRH, Surkhet	No Reporting	97	217	DH, Arghakhanchi	On Time	40
123	BZH, Banke	On Time	88	218	DH, Manang	On Time	96
124	SZH, Kailali	On Time	78	219	DH, Mustang	On Time	76
125	MZH, Kanchanpur	On Time	100	220	DH, Pyuthan	No Reporting	76
126	DH, Doti	No Reporting	86	229	DH, Achham	On Time	100
127	DH, Bardiya	On Time	100	230	DH, Baitadi	No Reporting	78
128	DH, Mahottari	No Reporting	10	231	DH, Darchula	No Reporting	58
129	DH, Dadeldhura	No Reporting	0	234	DH, Taplejung	No Reporting	26
130	DH, Rasuwa	No Reporting	78	235	DH, Panchthar	No Reporting	66
131	DH, Sankhuwasabha	On Time	50	236	DH, Terhathum	No Reporting	76
132	AMDA Hosp., Jhapa	On Time	100	237	DH, Bhojpur	On Time	100
133	DH, Chautara	On Time	100	238	DH, Khotang	No Reporting	20
134	DH, Sarlahi	No Reporting	97	301	Bayalpata Hosp., Achham	On Time	100
135	DH, Sindhuli	On Time	100	302	Tikapur Hospital, Kailali	No Reporting	66
						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.