

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(28th 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.

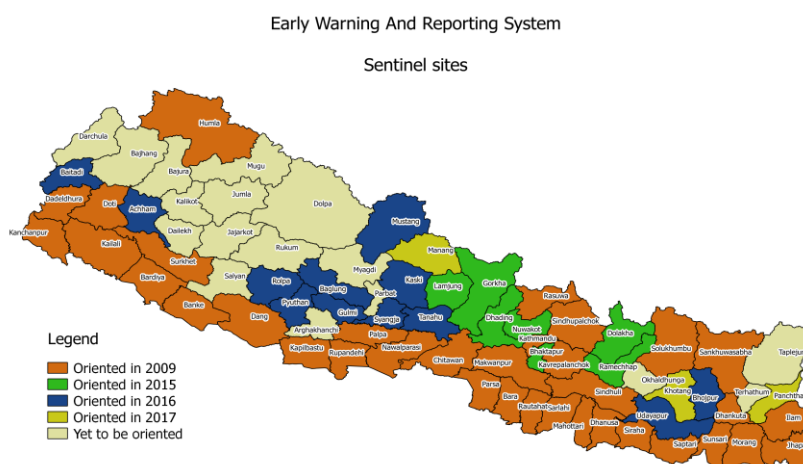
Section 1: The Early Warning and Reporting System (EWARS)

Highlights

- **Kala-azar:** Three cases of Kala-azar are reported this week, one each from Mid-Western Regional Hospital, Surkhet, Seti Zonal Hospital, Kailali and Kanti Children Hospital, Kathmandu. The cases are from Dailekh, Kailali and Achham District respectively.
- **Malaria:** Three cases of Malaria (*Plasmodium Vivax*) are reported this week, two from Mahakali Zonal Hospital, Kanchanpur and one from Sukraraj Tropical and Infectious disease Hospital, Teku. The cases are from Kanchanpur and Banke district.
- **Dengue:** Four cases of Dengue are reported this week, three from Sukraraj Tropical and Infectious disease Hospital, Teku and one from Lumbini Zonal Hospital, Rupandehi. The cases are from Parsa, Mahottari, Kathmandu and Rupandehi district respectively.
- **Scrub Typhus:** Three cases of Scrub Typhus are reported this week, two from Sukraraj Tropical and Infectious disease Hospital, Teku and one from Kanti Children Hospital, Kathmandu and the cases are from Ramechhap, Dhading and Nawalparasi district.

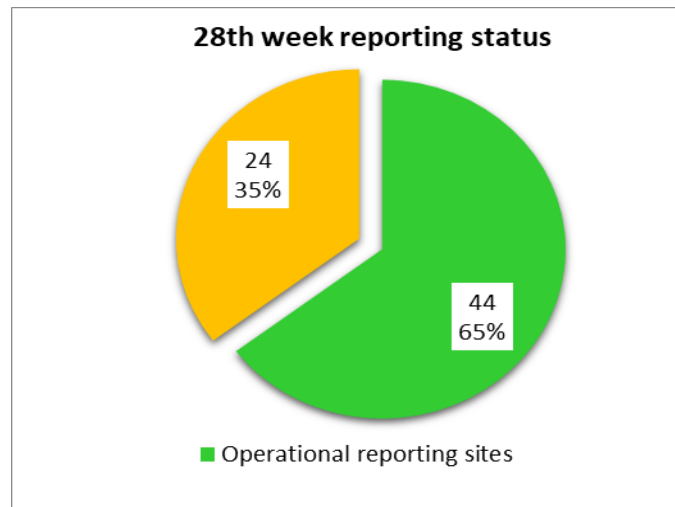
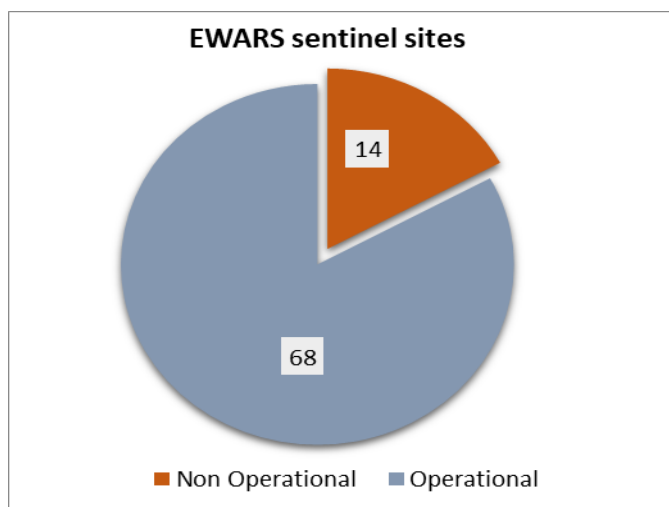
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs)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

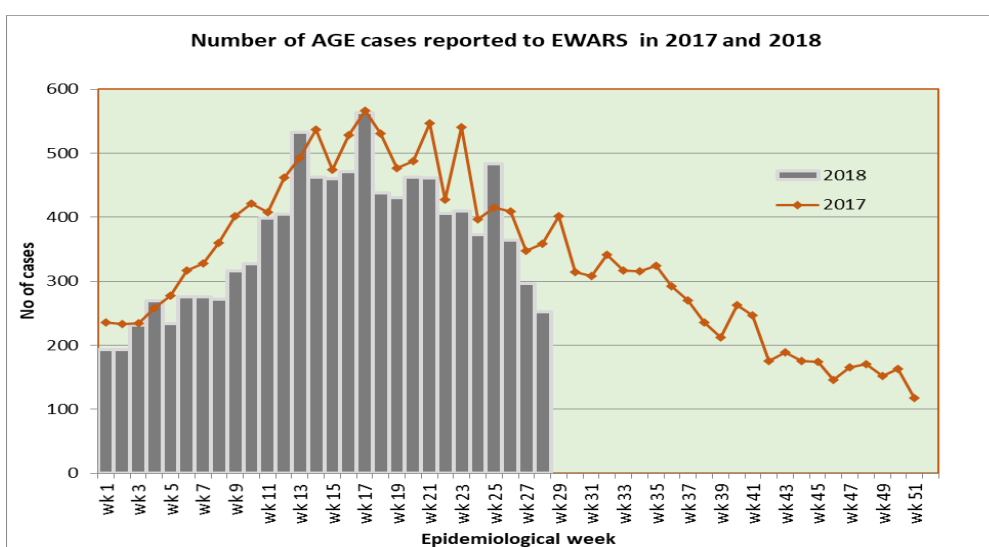
Out of 68 functional EWARS sentinel sites, report was received from 44 sentinel sites (65 percent) whereas 24 sentinel sites did not report in 28th Epidemiological week of 2018. The reporting coverage is decreased as compared to previous week.



1.1 Acute Gastro-Enteritis and Cholera

252 cases of AGE are reported in 28th epidemiological week of 2018. Among 252 cases, the majority of cases are from Achham (27 cases), Rupandehi (22 cases), Parsa (17 cases), Saptari (16 cases), Kanchanpur (16 cases), Sarlahi (10 cases), Bara (8 cases), Bardiya (7 cases), Dang (7 cases), Dhankuta (7 cases), Dhanusha (7 cases), and Jhapa (7 cases) district. The number of AGE cases reported in 28th week this year did not exceed the number of AGE cases reported in the same week last year (358 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.

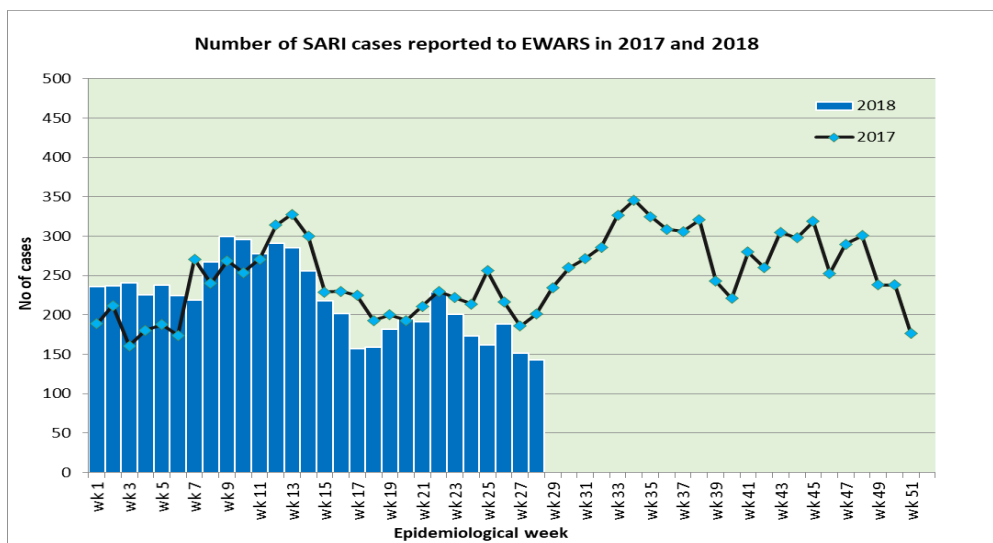


Cholera: A total of 3 cases of Cholera have been reported this year. The samples are confirmed positive by National Public Health Laboratory and the cases are from Nuwakot, Kathmandu and Lalitpur district.

1.2 Severe Acute Respiratory Infection (SARI)

143 cases of SARI are reported in 28th epidemiological week of 2018. The cases of SARI reported this week did not exceed the number reported in the same week last year (201 cases). Among 143 reported cases, the majority of cases are from Lalitpur (11 cases), Morang (11 cases), Parsa (11 cases), Rupandehi (11 cases), Kathmandu (9 cases), Palpa (7 cases) and Illam (7 cases) district.

No death from SARI is reported this week. 28 deaths from SARI are reported so far this year. Eighty two deaths from SARI were reported in 2017.



1.3 Enteric Fever

62 cases of Enteric fever are reported this week including 10 from Kaski, 9 from Morang, 4 from Bara, 4 from Palpa, 4 from Parsa, 3 from Sindhuli and 3 from Tanahun 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, two from Mahakali Zonal Hospital, Kanchanpur and one from Sukraraj Tropical and Infectious disease Hospital, Teku. The cases are from Kanchanpur and Banke district.

1.5 Dengue

Four cases of Dengue are reported this week, three from Sukraraj Tropical and Infectious disease Hospital, Teku and one from Lumbini Zonal Hospital, Rupandehi. The cases are from Parsa, Mahottari, Kathmandu and Rupandehi district respectively.

Twenty-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 Mid-Western Regional Hospital, Surkhet, Seti Zonal Hospital, Kailali and Kanti Children Hospital, Kathmandu. The cases are from Dailekh, Kailali and Achham District respectively.

Hundred 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

Three cases of Scrub Typhus are reported this week, two from Sukraraj Tropical and Infectious disease Hospital, Teku and one from Kanti Children Hospital, Kathmandu and the cases are from Ramechhap, Dhading and Nawalparasi district.

Forty seven 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	No Reporting	92
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	30	201	L. Comm DH, Lamjung	On Time	100
107	RKUP Lahan, Siraha	On Time	100	202	DH, Dhading	On Time	75
108	DH, Siraha	No Reporting	78	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	35
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	No Reporting	68
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	68
119	PBH, Kapilbastu	No Reporting	92	215	DZH, Baglung	On Time	100
120	LZH, Rupandehi	On Time	100	216	DH, Parbat	On Time	40
121	RSRH Dang	On Time	100	217	DH, Arghakhanchi	No Reporting	20
122	MWRH, Surkhet	On Time	100	218	DH, Manang	On Time	95
123	BZH, Banke	No Reporting	50	219	DH, Mustang	On Time	55
124	SZH, Kailali	On Time	60	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	No Reporting	78
127	DH, Bardiya	On Time	100	231	DH, Darchula	On Time	50
128	DH, Mahottari	No Reporting	10	234	DH, Taplejung	On Time	50

129	DH, Dadeldhura	No Reporting	0	235	DH, Panchthar	No Reporting	96
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	50
133	DH, Chautara	On Time	100	301	Bayalpata Hosp., Achham	On Time	100
134	DH, Sarlahi	On Time	100	302	Tikapur Hospital, Kailali	No Reporting	45
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 EDCD's official website www.edcd.gov.np. This bulletin is also available at the website.