

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(19th Epidemiological Week)

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This bulletin includes the updates from the Early Warning and Reporting System (EWARS). It includes data since January 2019 till date, including comparison of same period during last year.

The Early Warning and Reporting System (EWARS)

Highlights

AGE: 257 cases of AGE are reported this week. The majority of these cases are from Achham (22 cases), Dolakha (21 cases), Kailali (21 cases), Bara (15 cases) and Jhapa (14 cases). One death from AGE is reported this by Patan Hospital, Lalitpur and the case was from Lalitpur.

SARI: 123 cases of SARI are reported this week. The majority of these cases are from Lalitpur (16 cases), Jhapa (12 cases), Morang (11 cases) and Sindhupalchowk (8 cases). Two deaths from SARI are reported this by Patan Hospital, Lalitpur and the case were from Bhaktapur and Dolakha.

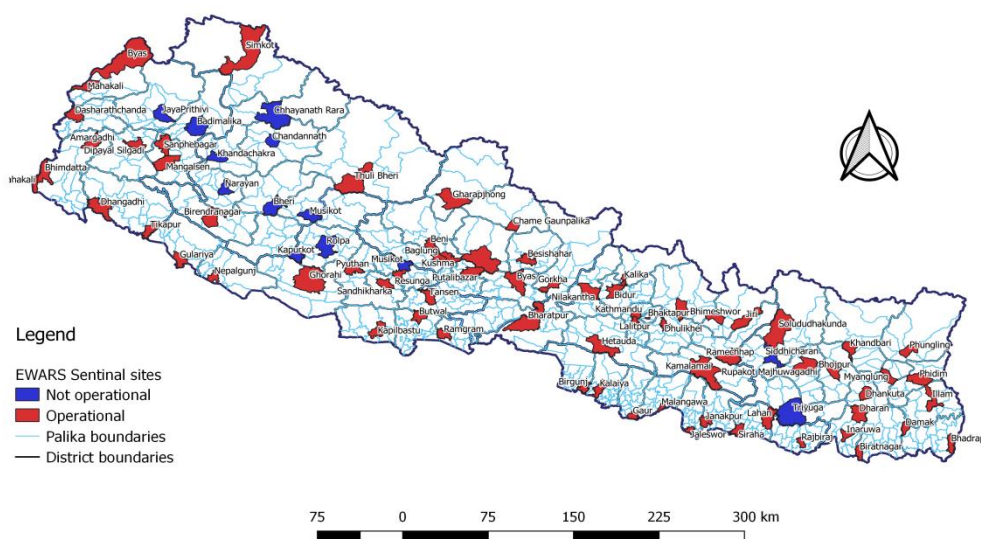
Malaria: One case of Malaria is reported this week by Bayalpata Hospital, Achham and the case was from Bajura.

Dengue: Two cases of Dengue are reported this week by BPKIHS, Dharan and the cases are from Sunsari.

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.

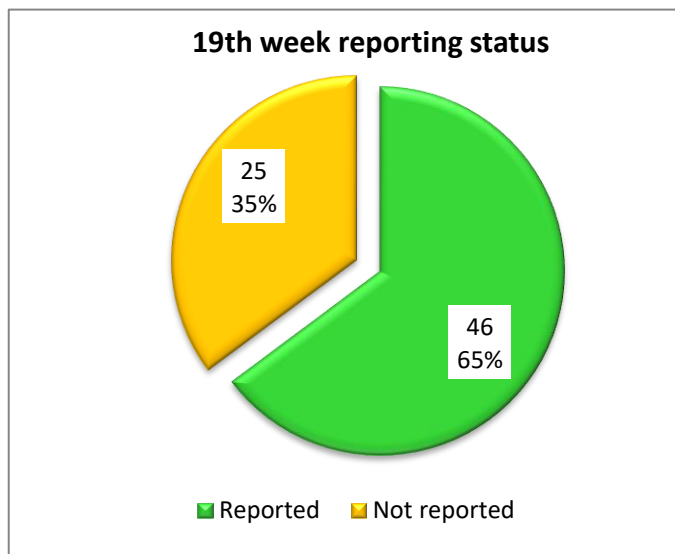
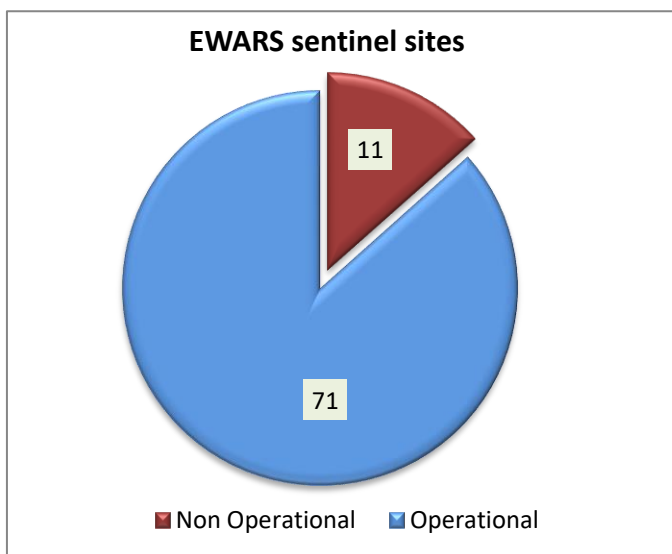
This information system is hospital-based and is currently operational in 71 hospitals (out of 82 sites) throughout Nepal (Figure 1). So far, the EWARS mainly focuses on the **weekly reporting** of number of cases and deaths (including "zero" reports) of six priority diseases/syndromes—Malaria, Kala-azar, 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



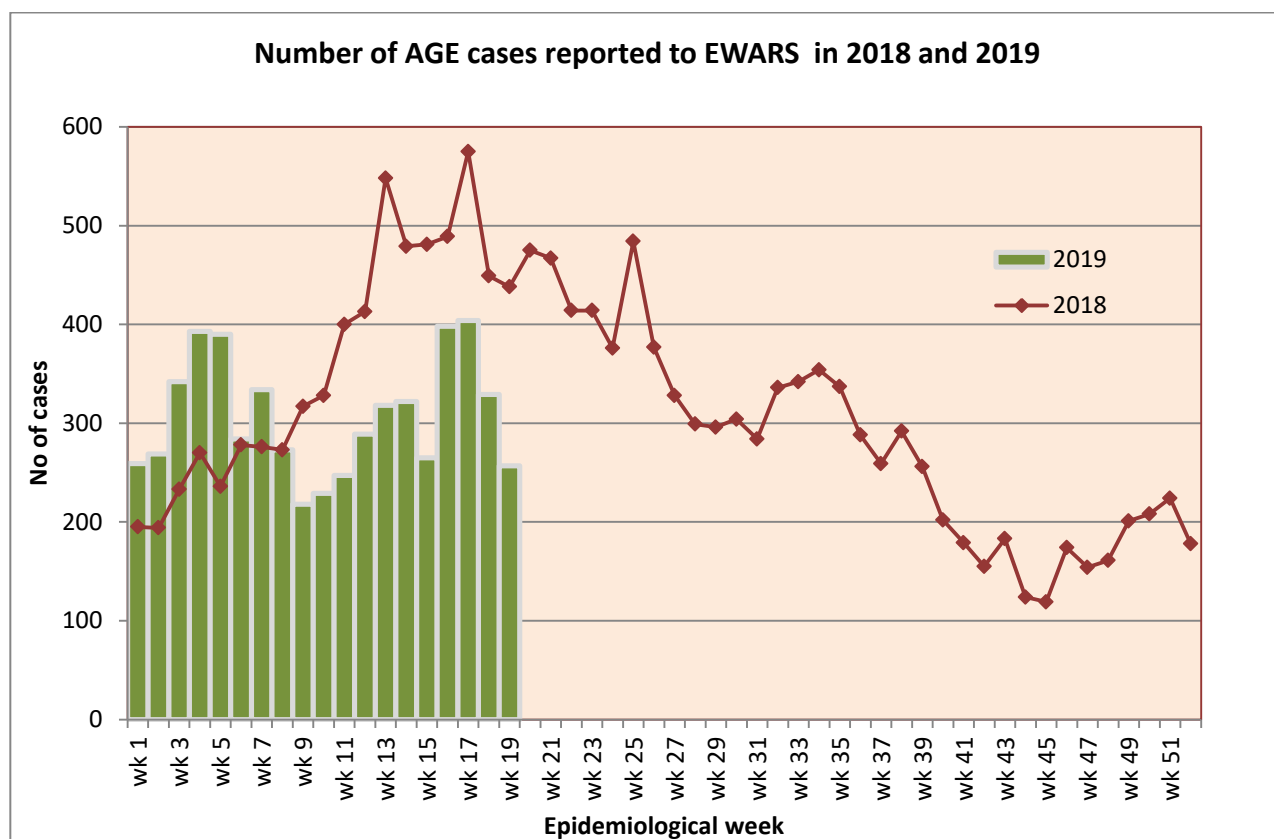
Reporting Status

Out of 71 functional EWARS sentinel sites, report was received from 46 sentinel sites (65%) whereas 25 sentinel did not report in the 19th epidemiological week of 2019. The reporting coverage has increased compared to the last week.



1.1 Acute Gastro-Enteritis and Cholera

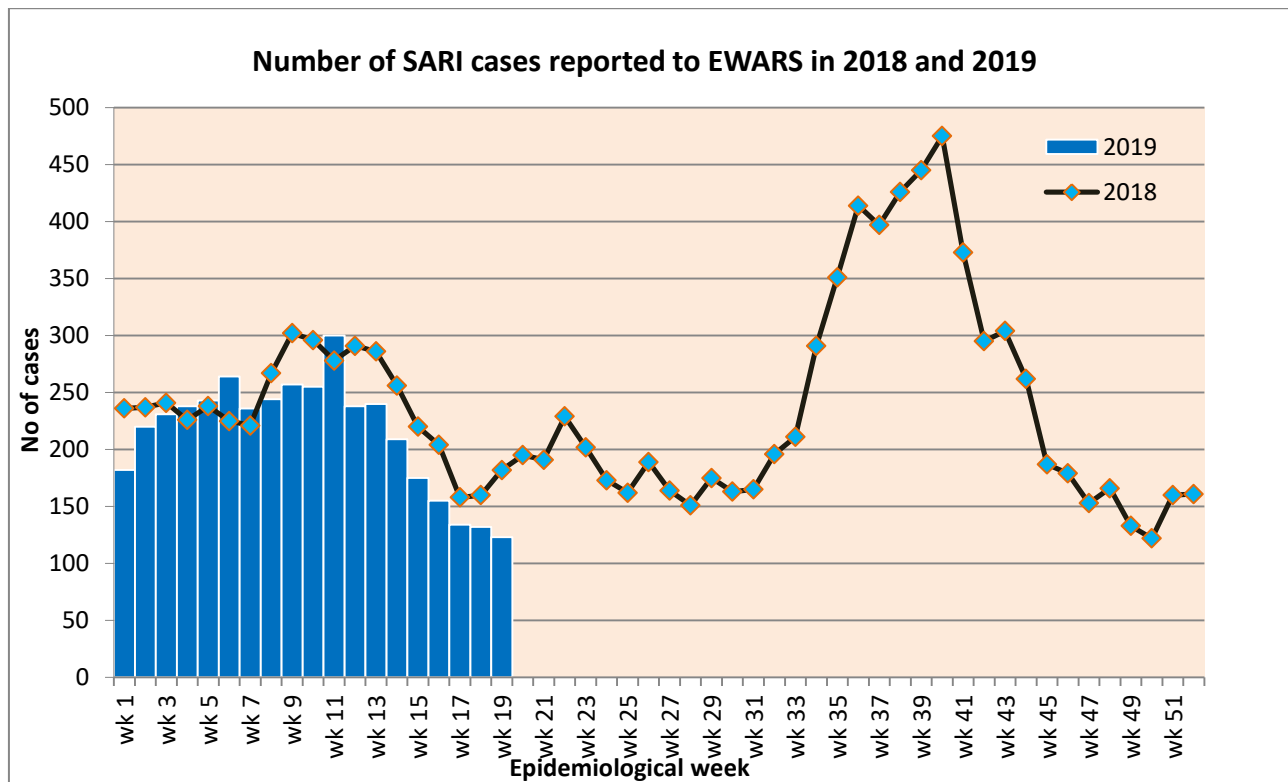
257 cases of AGE are reported in the 19th epidemiological week this year. The majority of these cases are from Achham (22 cases), Dolakha (21 cases), Kailali (21 cases), Bara (15 cases) and Jhapa (14 cases). 438 cases of AGE were reported this week in 2018. One death from AGE is reported this by Patan Hospital, Lalitpur and the case was from Lalitpur.



Cholera: One case of Cholera is reported this year week by Teku hospital, Kathmandu and the case was from Tahachal, Kathmandu.

1.2 Severe Acute Respiratory Infection (SARI)

123 cases of SARI are reported in the 19th epidemiological week this year. The majority of these cases are from Lalitpur (16 cases), Jhapa (12 cases), Morang (11 cases) and Sindhupalchowk (8 cases). 182 cases of SARI were reported this week in 2018. Two deaths from SARI are reported this by Patan Hospital, Lalitpur and the case were from Bhaktapur and Dolakha.



1.3 Enteric Fever

25 cases of Enteric fever are reported this week. The majority of the cases are from Dhankuta (3 cases), Lalitpur (4 cases) and Banke (3 cases).

1.4 Malaria

One case of Malaria is reported this week by Bayalpata Hospital, Achham and the case was from Bajura. One case of Malaria was reported this week in 2018.

1.5 Dengue

Two cases of Dengue are reported this week by BPKIHS, Dharan and the cases are from Sunsari. No case of Dengue was reported this week in 2018.

1.6 Kala-azar

Three cases of Kala-azar are reported this week, three from Jhapa and one from Mugu. Five cases of Kala-azar were reported this week in 2018.

1.7 Scrub typhus

Two cases of Scrub typhus are reported this week, one each from Gulmi and Sunsari.

Timeliness and completeness of reporting from sentinel sites:

Code	Sentinel Sites	Timeliness (This Week)	Completeness (%)	Code	Sentinel Sites	Timeliness (This Week)	Completeness (%)
101	Mechi ZH, Jhapa	On time	100	138	DH, Solukhumbu	No reporting	21
102	Koshi H, Morang	On time	100	139	DH, Dolpa	No reporting	0
103	DH, Sunsari	On time	100	140	DH, Humla	No reporting	0
104	BPKIHS, Dharan	On time	100	201	L. Comm DH, Lamjung	On time	100
105	DH, Dhankuta	On time	100	202	DH, Dhading	On time	100
106	SZH, Saptari	No reporting	95	203	DH, Ramechhap	On time	100
107	RKUP Lahan, Siraha	No reporting	89	204	Bhaktapur Hospital	On time	100
108	DH, Siraha	On time	100	205	Patan Hospital, Lalitpur	On time	100
109	JZH, Dhanusha	No reporting	11	206	DH, Gorkha	No reporting	16
110	DH, Rautahat	No reporting	5	207	DH Trishuli, Nuwakot	No reporting	0
111	DH, Bara	On time	100	208	Charikot PHCC, Dolakha	On time	100
112	NH, Parsa	No reporting	42	209	Jiri H, Dolakha	On time	100
113	DH, Makwanpur	No reporting	37	210	DH, Syangja	On time	100
114	Bharatpur Hospital, Chitwan	No reporting	95	211	DH, Tanahun	No reporting	0
115	Kanti CH, Kathmandu	On time	100	212	PAHS/WRH, Kaski	On time	100
116	STIDH, Kathmandu	On time	100	213	DH, Myagdi	On time	100
117	UMH, Palpa	On time	100	214	DH, Gulmi	No reporting	74
118	PCH, Nawalparasi	No reporting	95	215	DZH, Baglung	On time	100
119	PBH, Kapilbastu	On time	100	216	DH, Parbat	No reporting	26
120	LPH, Rupandehi	On time	5	217	DH, Arghakhanchi	On time	100
121	RSRH Dang	On time	100	218	DH, Manang	No reporting	0
122	MWRH, Surkhet	On time	100	219	DH, Mustang	On time	42
123	BH, Banke	On time	100	220	DH, Pyuthan	On time	100
124	SZH, Kailali	On time	100	222	DH Rukum	No reporting	84
125	MZH, Kanchanpur	On time	100	223	DH Salyan	On time	100
126	DH, Doti	No reporting	95	229	DH, Achham	On time	100
127	DH, Bardiya	No reporting	95	230	DH, Baitadi	On time	100
128	DH, Mahottari	No reporting	0	231	DH, Darchula	On time	100
129	DH, Dadeldhura	On time	100	234	DH, Taplejung	No reporting	26
130	DH, Rasuwa	On time	100	235	DH, Panchthar	On time	11
131	DH, Sankhuwasabha	No reporting	0	236	DH, Terhathum	On time	32
132	AMDA Hosp., Jhapa	On time	100	237	DH, Bhojpur	On time	100
133	DH, Chautara	On time	100	238	DH, Khotang	No reporting	0
134	DH, Sarlahi	No reporting	16	301	Bayalpata Hosp., Achham	On time	100
135	DH, Sindhuli	On time	100	302	Tikapur Hospital, Kailali	No reporting	89
136	DH, Illam	On time	100			Excellent (>80)	
137	Dhulikhel Hos.	On time	100			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 technical 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.