

**Early Warning and Reporting System (EWARS)**

# **Weekly Bulletin**

**(15<sup>th</sup> Epidemiological Week)**

**21 April 2019**



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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:** 178 cases of AGE are reported this week. The majority of these cases are from Kanchanpur (37 cases), Achham (18 cases), Kailali (18 cases), Saptari (17 cases) and Dolakha (12 cases).

**SARI:** 135 cases of SARI are reported this week. The majority of these cases are from Kathmandu (15 cases), Lalitpur (12 cases), Kaski (8 cases) and Sindhuli (8 cases).

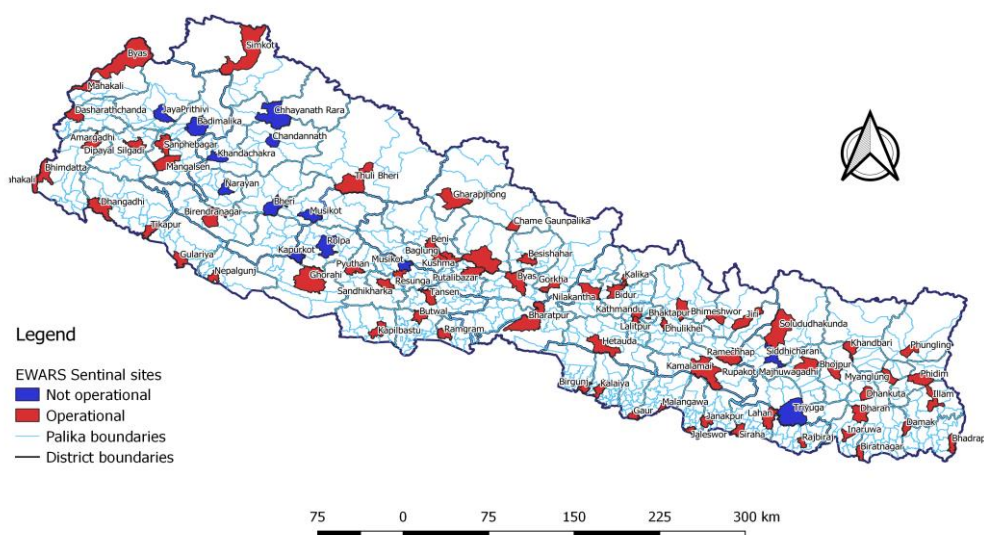
**Malaria:** One case of Malaria is reported this week by District Hospital, Darchula and the case was also from Darchula.

**Kala-azar:** Three cases of Kala-azar are reported this week, one each from Bardiya, Dolpa and Lalitpur.

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.

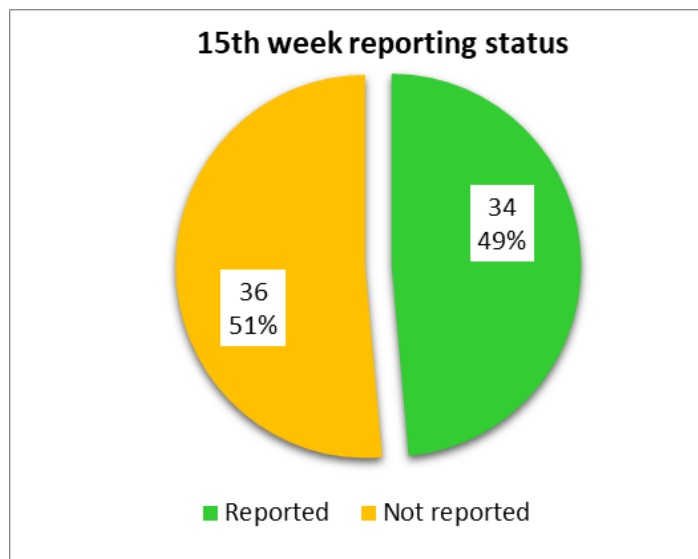
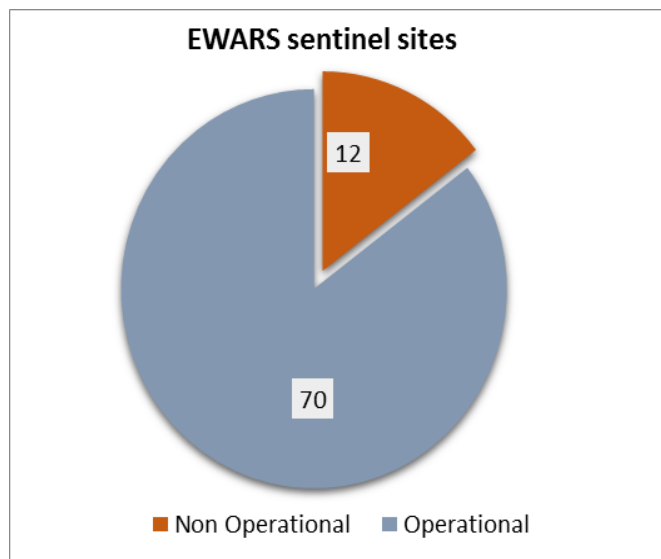
This information system is hospital-based and is currently operational in 69 hospitals (out of 82 sites) throughout Nepal (Figure 1). So far, the EWARS mainly focuses on the **weekly reporting** of number of cases and deaths (including "zero" reports) of six priority diseases/syndromes—Malaria, Kala-azar,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



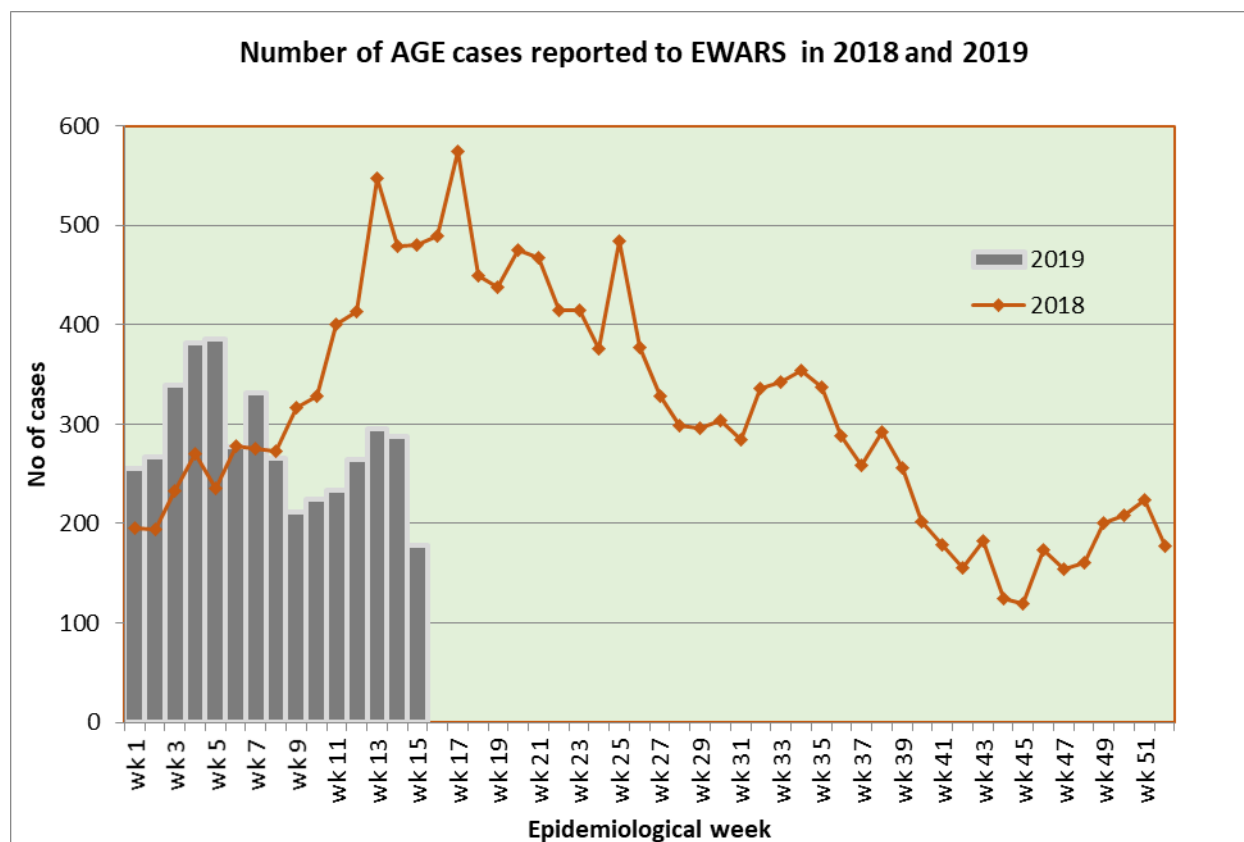
## Reporting Status

Out of 70 functional EWARS sentinel sites, report was received from 34 sentinel sites (49%) whereas 36 sentinel sites did not report in the 15<sup>th</sup> epidemiological week of 2019. The reporting coverage has decreased compared to the last week.



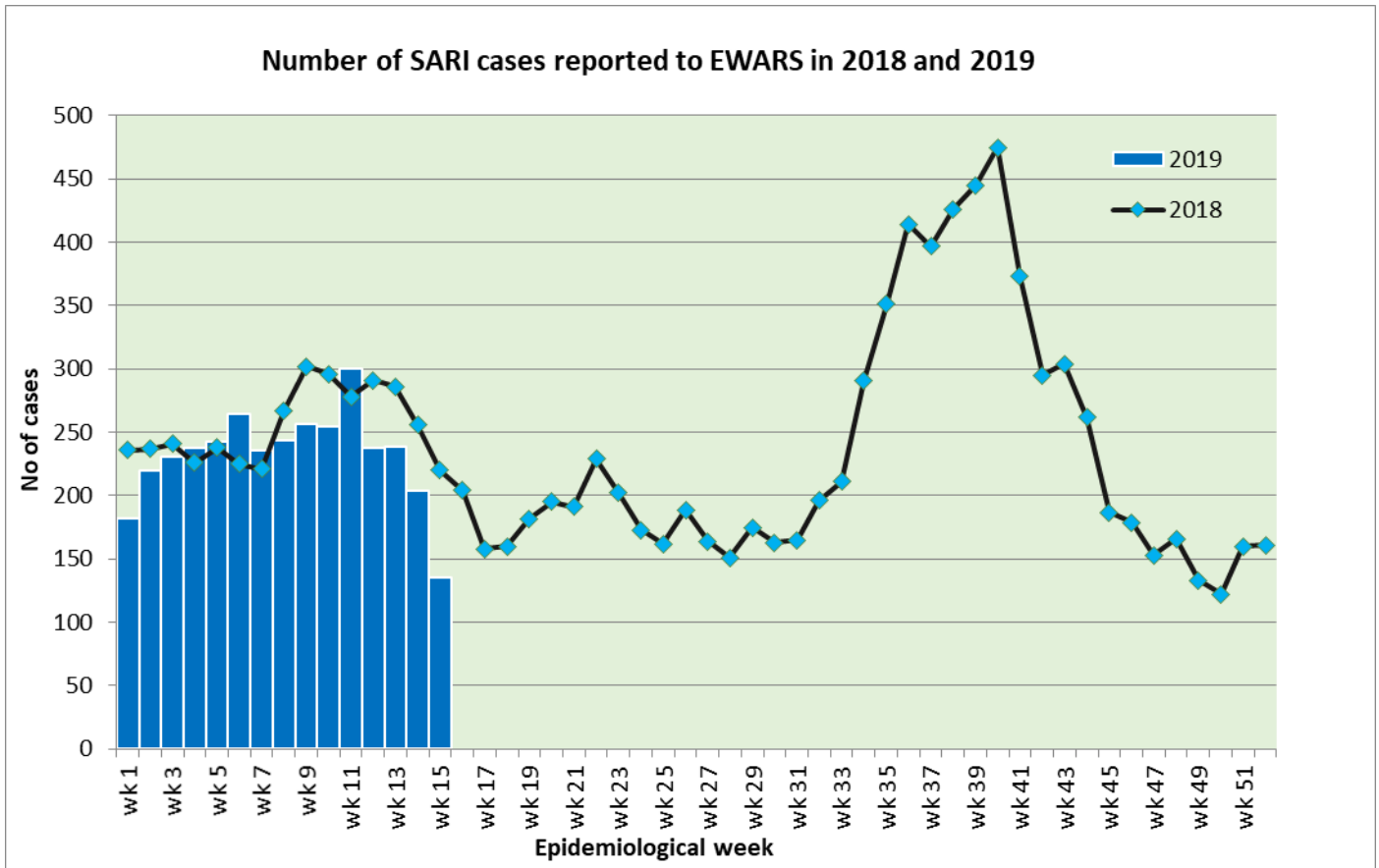
### 1.1 Acute Gastro-Enteritis and Cholera

178 cases of AGE are reported in the 15<sup>th</sup> epidemiological week this year. The majority of these cases are from Kanchanpur (37 cases), and Achham (18 cases), Kailali (18 cases), Saptari (17 cases) and Dolakha (12 cases). 481 cases of AGE were reported this week in 2018.



## 1.2 Severe Acute Respiratory Infection (SARI)

135 cases of SARI are reported in the 15<sup>th</sup> epidemiological week this year. The majority of these cases are from Kathmandu (15 cases), Lalitpur (12 cases), Kaski (8 cases) and Sindhuli (8 cases). 220 cases of SARI were reported this week in 2018.



## 1.3 Enteric Fever

30 cases of Enteric fever are reported this week. The majority of the cases are from Saptari (2 cases), Kathmandu (2 cases), Kaski (2 cases) and Dang (2 cases).

## 1.4 Malaria

One case of Malaria is reported this week by District Hospital, Darchula and the case was also from Darchula. One case of Malaria was reported this week in 2018.

## 1.5 Dengue

No case of Dengue is reported this week. Similarly, no case of Dengue was reported this week in 2018.

## 1.6 Kala-azar

Three cases of Kala-azar are reported this week, one each from Bardiya, Dolpa and Lalitpur. Five cases of Kala-azar were reported this week in 2018.

## 1.7 Scrub typhus

Six cases of Scrub typhus are reported this week, three from Palpa, two from Gulmi and one from Sankhuwasabha.

## Timeliness and 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	87	137	Dhulikhel H., Kavre	No reporting	87
102	Koshi ZH, Morang	No reporting	93	138	DH, Solukhumbu	No reporting	27
103	DH, Sunsari	No reporting	93	139	DH, Dolpa	No reporting	0
104	BPKIHS, Dharan	On time	100	140	DH, Humla	No reporting	0
105	DH, Dhankuta	On time	100	201	L. Comm DH, Lamjung	On time	100
106	SZH, Saptari	On time	100	202	DH, Dhading	On time	100
107	RKUP Lahan, Siraha	On time	100	203	DH, Ramechhap	On time	100
108	DH, Siraha	No reporting	93	204	Bhaktapur Hospital	No reporting	93
109	JZH, Dhanusha	No reporting	13	205	Patan Hospital, Lalitpur	On time	100
110	DH, Rautahat	No reporting	7	206	DH, Gorkha	No reporting	0
111	DH, Bara	No reporting	93	207	DH Trishuli, Nuwakot	No reporting	0
112	NSRH, Parsa	No reporting	53	208	Charikot PHCC, Dolakha	On time	100
113	DH, Makwanpur	No reporting	47	209	Jiri H, Dolakha	On time	100
114	Bharatpur Hospital, Chitwan	No reporting	93	210	DH, Syangja	On time	100
115	Kanti CH, Kathmandu	On time	100	211	DH, Tanahun	No reporting	0
116	STIDH, Kathmandu	On time	100	212	PAHS/WRH, Kaski	On time	100
117	UMH, Palpa	On time	100	213	DH, Myagdi	No reporting	87
118	PCH, Nawalparasi	No reporting	93	214	DH, Gulmi	No reporting	93
119	PBH, Kapilbastu	On time	100	215	DZH, Baglung	No reporting	93
120	LPH, Rupandehi	No reporting	0	216	DH, Parbat	No reporting	33
121	RSRH Dang	On time	100	217	DH, Arghakhanchi	On time	100
122	MWRH, Surkhet	On time	100	218	DH, Manang	No reporting	0
123	BZH, Banke	No reporting	87	219	DH, Mustang	On time	20
124	SZH, Kailali	On time	100	220	DH, Pyuthan	On time	80
125	MZH, Kanchanpur	On time	100	222	DH Rukum	No reporting	87
126	DH, Doti	No reporting	93	229	DH, Achham	On time	100
127	DH, Bardiya	No reporting	93	230	DH, Baitadi	On time	100
128	DH, Mahottari	No reporting	0	231	DH, Darchula	On time	100
129	DH, Dadeldhura	No reporting	93	234	DH, Taplejung	On time	13
130	DH, Rasuwa	No reporting	93	235	DH, Panchthar	No reporting	7
131	DH, Sankhuwasabha	No reporting	0	236	DH, Terhathum	No reporting	7
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	20	301	Bayalpata Hosp., Achham	On time	100
135	DH, Sindhuli	On time	100	302	Tikapur Hospital, Kailali	On time	100
136	DH, Illam	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 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](http://www.edcd.gov.np). This bulletin is also available at the website.