

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(12th 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: 244 cases of AGE are reported this week. The majority of these cases are from Saptari (28 cases), Kailali (23 cases), Dolakha (17 cases), Kanchanpur (15), and Lalitpur (13 cases).

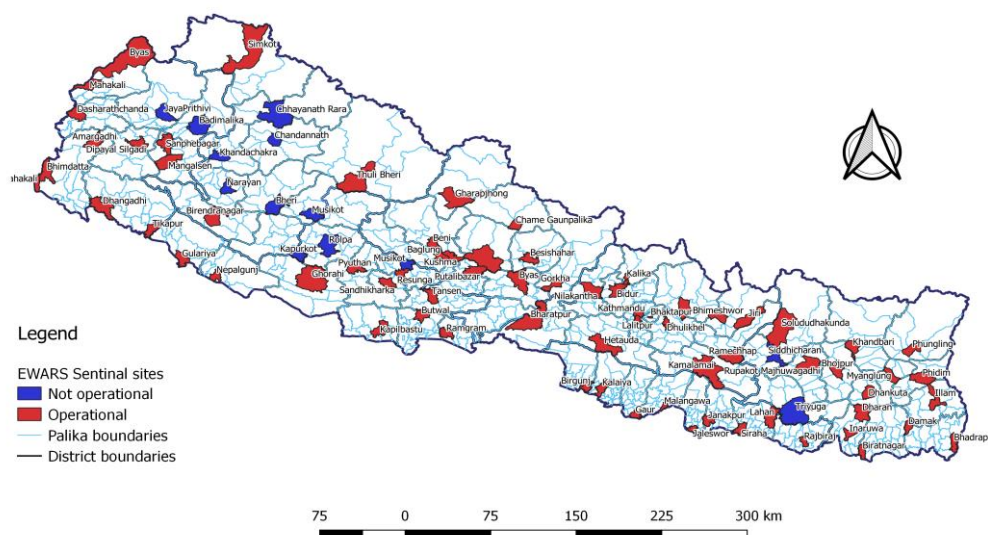
SARI: 228 cases of SARI are reported this week. The majority of these cases are from Jhapa (29), Morang (22 cases), Kaski (15 cases), Kathmandu (15 cases), Saptari (14 cases) and Kailali (13 cases). Two deaths from SARI are reported this week by Patan Hospital, Lalitpur and the cases are from Kathmandu and Udaypur.

Kala-azar: Two cases of Kala-azar are reported this week, one each from from Dailekh and Siraha.

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.

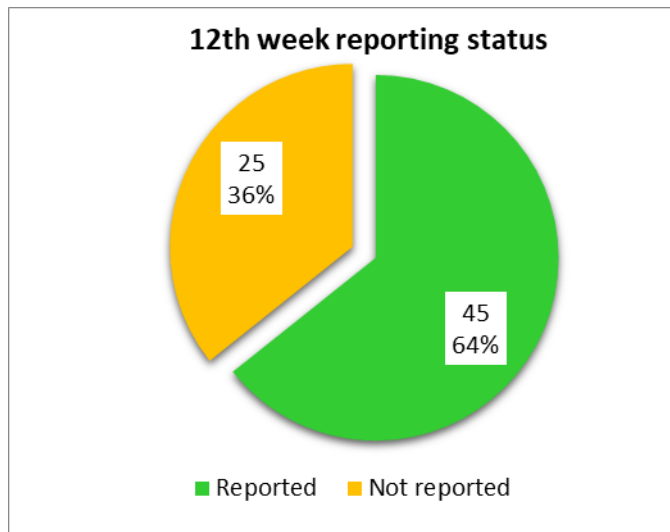
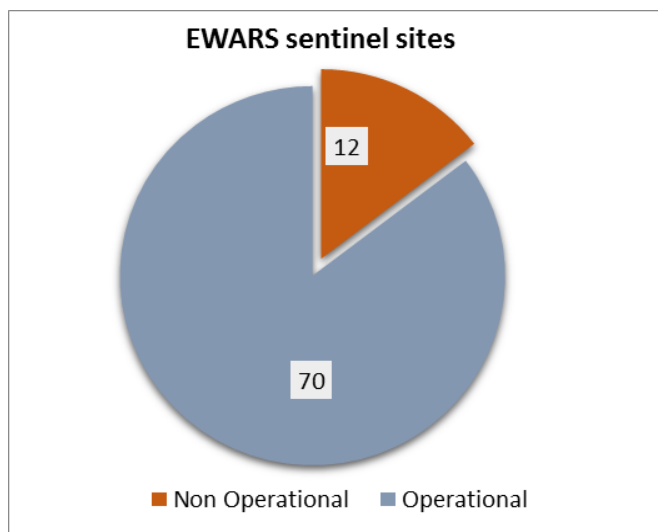
This information system is hospital-based and is currently operational in 69 hospitals (out of 82 sites) throughout Nepal (Figure 1). So far, the EWARS mainly focuses on the **weekly reporting** of number of cases and deaths (including "zero" reports) of six priority diseases/syndromes—Malaria, Kala-azar,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



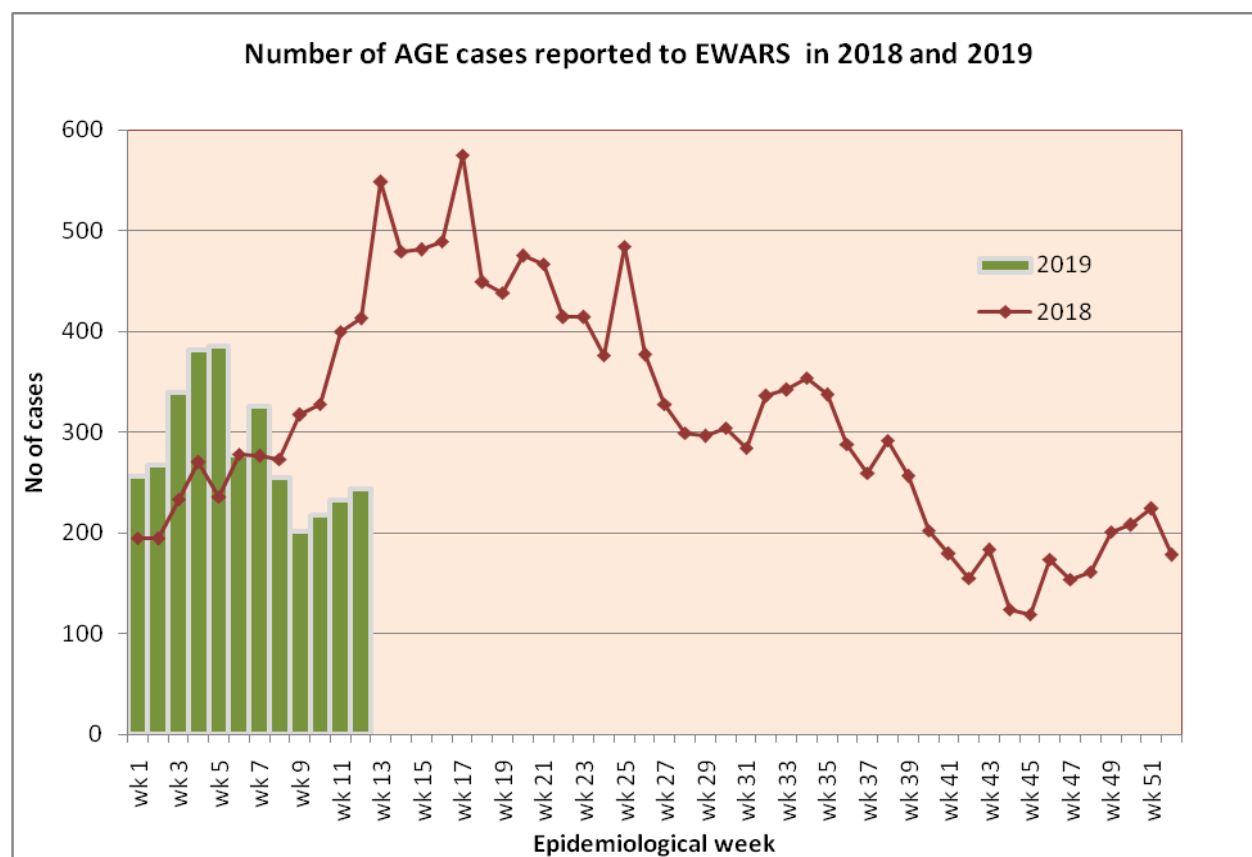
Reporting Status

Out of 70 functional EWARS sentinel sites, report was received from 45 sentinel sites (64%) whereas 25 sentinel sites did not report in the 12th epidemiological week of 2019. The reporting coverage has increased compared to the last week.



1.1 Acute Gastro-Enteritis and Cholera

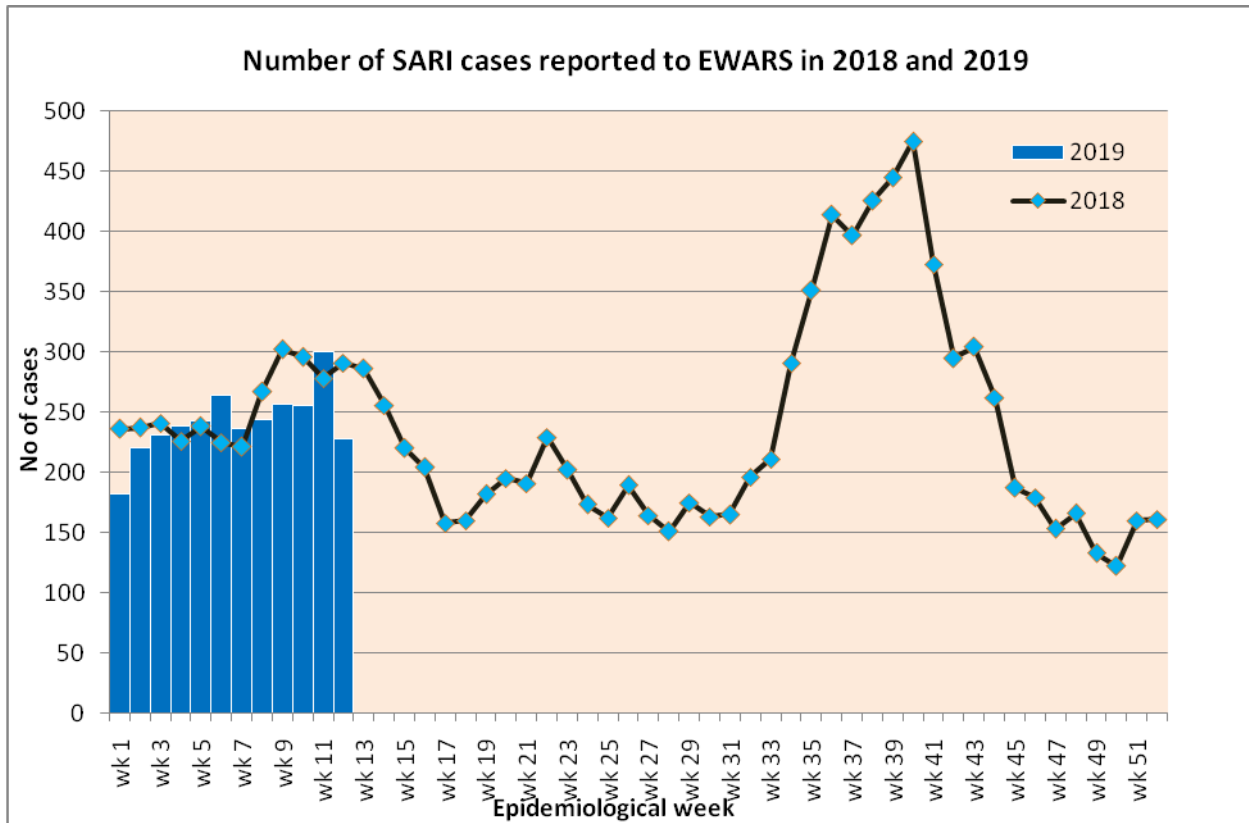
244 cases of AGE are reported in the 12th epidemiological week this year. The majority of these cases are from Saptari (28 cases), Kailali (23 cases), Dolakha (17 cases), Kanchanpur (15), and Lalitpur (13 cases). 413 cases of AGE were reported this week in 2018.



1.2 Severe Acute Respiratory Infection (SARI)

228 cases of SARI are reported in the 12th epidemiological week this year. The majority of these cases are from Jhapa (29), Morang (22 cases), Kaski (15 cases), Kathmandu (15 cases), Saptari (14 cases) and Kailali (13 cases). 281 cases of SARI were reported this week in 2018.

Two deaths from SARI are reported this week by Patan Hospital, Lalitpur and the cases were from Kathmandu and Udaypur.



1.3 Enteric Fever

46 cases of Enteric fever are reported this week. The majority of the cases are from Saptari (11 cases), Bardiya (3 cases) and Dhankuta (3 cases).

1.4 Malaria

No case of Malaria is reported this week. 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

Two cases of Kala-azar are reported this week, one each from from Dailekh and Siraha. Four 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 Baitadi and Dadeldhura.

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	On time	100	137	Dhulikhel H., Kavre	On time	100
102	Koshi ZH, Morang	On time	100	138	DH, Solukhumbu	No reporting	33
103	DH, Sunsari	On time	100	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, Siraha	On time	100	203	DH, Ramechhap	On time	100
108	DH, Siraha	No reporting	83	204	Bhaktapur Hospital	On time	100
109	JZH, Dhanusha	No reporting	17	205	Patan Hospital, Lalitpur	On time	100
110	DH, Rautahat	No reporting	8	206	DH, Gorkha	No reporting	0
111	DH, Bara	On time	100	207	DH Trishuli, Nuwakot	No reporting	0
112	NSRH, Parsa	No reporting	67	208	Charikot PHCC, Dolakha	On time	100
113	DH, Makwanpur	No reporting	58	209	Jiri H, Dolakha	On time	100
114	Bharatpur Hospital, Chitwan	On time	100	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	On time	100
118	PCH, Nawalparasi	On time	100	214	DH, Gulmi	On time	83
119	PBH, Kapilbastu	On time	100	215	DZH, Baglung	On time	100
120	LPH, Rupandehi	No reporting	0	216	DH, Parbat	No reporting	42
121	RSRH Dang	No reporting	92	217	DH, Arghakhanchi	On time	100
122	MWRH, Surkhet	On time	100	218	DH, Manang	No reporting	0
123	BZH, Banke	On time	100	219	DH, Mustang	No reporting	8
124	SZH, Kailali	On time	100	220	DH, Pyuthan	No reporting	67
125	MZH, Kanchanpur	On time	100	222	DH Rukum	On time	100
126	DH, Doti	On time	100	229	DH, Achham	No reporting	92
127	DH, Bardiya	On time	100	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	0
130	DH, Rasuwa	No reporting	92	235	DH, Panchthar	No reporting	8
131	DH, Sankhuwasabha	No reporting	0	236	DH, Terhathum	No reporting	0
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	25	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. This bulletin is also available at the website.