

Early Warning and Reporting System (EWARS)
Weekly Bulletin
(2nd Epidemiological Week)
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This bulletin includes the updates from the Early Warning Reporting System (EWARS). It includes data since January 2017 till date, including comparison of same period during last year.

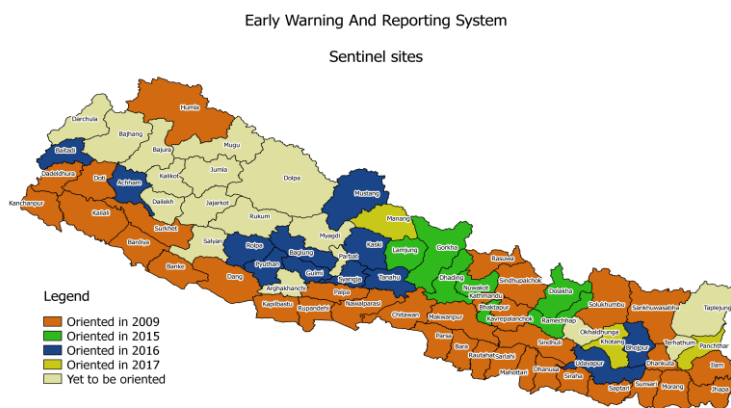
Section 1: The Early Warning and Reporting System (EWARS)

Highlights

- **Influenza Like Illness (ILI):**
 - A total of 1845 cases and two deaths have been reported from Juni Chande Rural Municipality and Chedagaad Municipality of Jajarkot district since 27 Dec, 2017. Seven samples have been collected and brought to NPHL for investigation out of which 3 are Influenza A/H3 Positive.
 - Similarly a total of 504 cases (including one death from COPD) have been reported from Mahakulung Rural Municipality of Solukhumbu District. Sixteen samples have been collected and brought to NPHL for further investigation. Resulted is awaited.
- **Dengue:** Two cases of Dengue are reported this week, one each from Koshi Zonal Hospital, Morang and Sukraraj Tropical and Infectious Disease Hospital, Teku and the cases were from Sunsari and Makawanpur district.
- **Kala-azar:** Three cases of Kala-azar are reported this week, two from Lumbini Zonal Hospital, Rupandehi and one from United Mission Hospital, Palpa. The cases are from Pyuthan, Dang and Syangja district.
- **Scrub typhus:** One case of Scrub typhus is reported this week from United Mission Hospital, Palpa and the case is from Gulmi district.
- **SARI:** Two deaths from SARI are reported this week from Lumbini Zonal Hospital, Rupandehi and both the deceased were from Nawalparasi district.

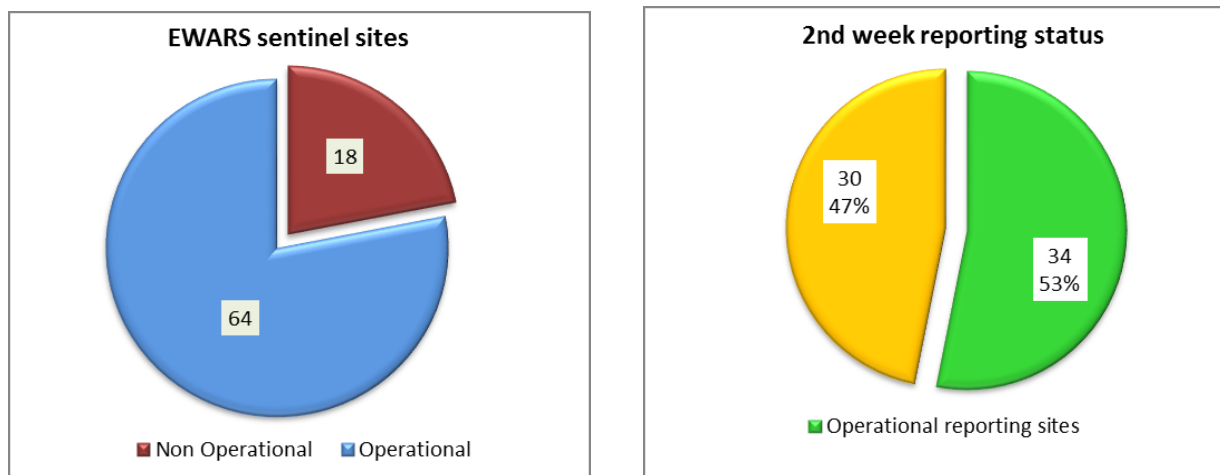
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs) 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 64 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

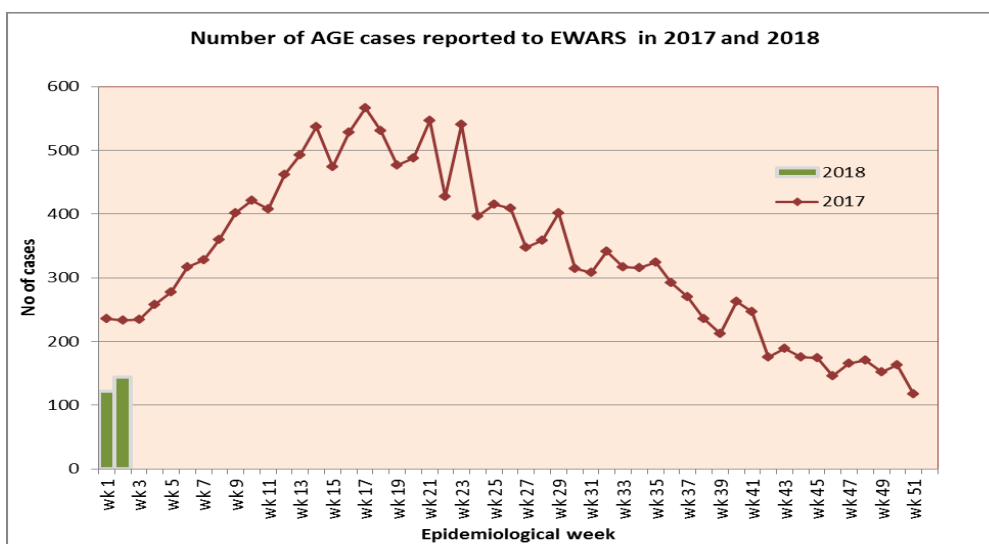
Out of 64 functional EWARS sentinel sites, report was received from 34 sentinel sites (53 percent) whereas 30 sentinel sites did not report in 2nd Epidemiological week of 2018.



1.1 Acute Gastro-Enteritis and Cholera

144 cases of AGE are reported in 2nd epidemiological week of 2018. Among 144 cases, the majority of cases are from Kathmandu (20 cases), Khotang (16 cases), Panchthar (14 cases), Dolakha (12 cases), Morang (7 cases), Surkhet (6 cases), Dhanusha (6 cases), Bara (6 cases) and Sunsari (5 cases) district. The number of AGE cases reported in 2nd week this year did not exceed the number of AGE cases reported in the same week last year (233 cases).

No death from AGE is reported so far this year. Twenty deaths from AGE were reported in 2017.

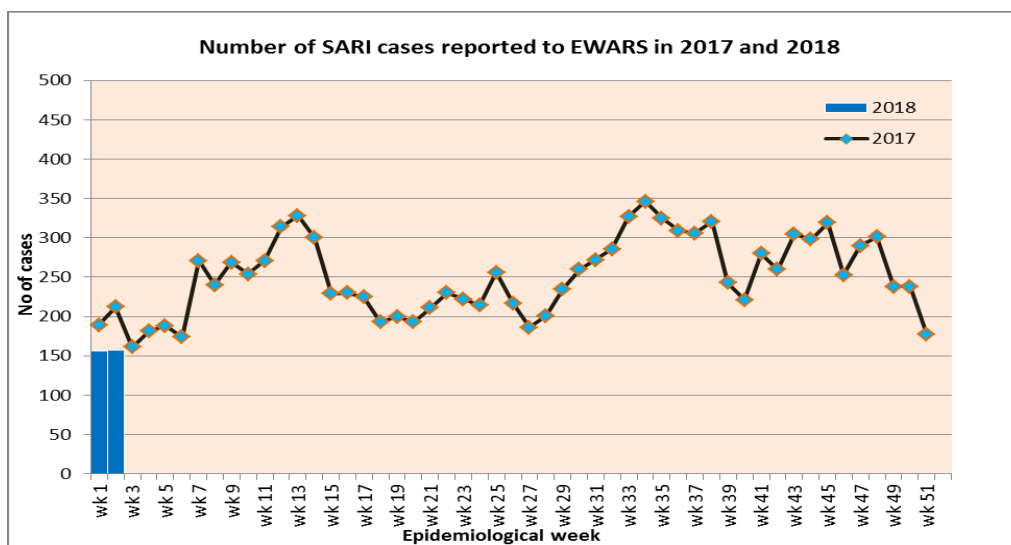


1.2 Severe Acute Respiratory Infection (SARI)

157 cases of SARI are reported in 2nd epidemiological week of 2018. The cases of SARI reported this week did not exceed the number reported in the same week last year (212 cases). Among 157 cases, the majority of cases are

from Rupandehi (21 cases), Morang (20 cases), Panchthar (8 cases), Sunsari (7 cases), Palpa (6 cases), Jhapa (6 cases), Dhankuta (6 cases), Nawalparasi (5 cases) and Syangja (5 cases) district.

Two deaths from SARI are reported this week from Lumbini Zonal Hospital, Rupandehi and both the deceased were from Nawalparasi district. Three deaths from SARI are reported so far this year. Eighty two deaths from SARI were reported in 2017.



1.3 Enteric Fever

5 cases of Enteric fever are reported this week, 2 from Kathmandu, 2 from Lamjung and one from Dhankuta district. Three deaths from Enteric Fever were reported in 2017.

1.4 Malaria

No case of Malaria is reported so far this year. Ninety one cases of Malaria are reported through EWARS in 2017.

1.5 Dengue

Two cases of Dengue are reported this week, one each from Koshi Zonal Hospital, Morang and Sukraraj Tropical and Infectious Disease Hospital, Teku and the cases were from Sunsari and Makawanpur district.

1201 cases of dengue are reported through EWARS in 2017.

1.6 Kala-azar

Three cases of Kala-azar are reported this week, two from Lumbini Zonal Hospital, Rupandehi and one from United Mission Hospital, Palpa. The cases are from Pyuthan, Dang and Syangja district.

Two hundred twelve cases of Kala-azar were reported through EWARS in 2017.

1.7 Scrub Typhus

One case of Scrub typhus is reported this week from United Mission Hospital, Palpa and the case is from Gulmi district. 451 cases of Scrub Typhus were reported through EWARS in 2017.

Timeliness & completeness of reporting from sentinel sites:

Site Code	Sentinel Sites	Timeliness (This Week)	Completeness (%)	Site Code	Sentinel Sites	Timeliness (This Week)	Completeness (%)
101	Mechi ZH, Jhapa	No Reporting	50	135	DH, Sindhuli	No Reporting	0
102	Koshi ZH, Morang	On Time	100	136	DH, Illam	On Time	100
103	DH, Sunsari	On Time	100	137	Dhulikhel H., Kavre	No reporting	50
104	BPKIHS, Dharan	No Reporting	0	138	DH, Solukhumbu	No Reporting	0
105	DH, Dhankuta	On Time	100	139	DH, Dolpa	No Reporting	0
106	SZH, Saptari	No Reporting	0	140	DH, Humla	No Reporting	0
107	RKUP Lahan, Siraha	No Reporting	0	201	L. Comm DH, Lamjung	On Time	100
108	DH, Siraha	No Reporting	0	202	DH, Dhading	No Reporting	0
109	JZH, Dhanusha	On Time	100	203	DH, Ramechhap	On Time	100
110	DH, Rautahat	No Reporting	0	204	Bhaktapur Hospital	No Reporting	0
111	DH, Bara	On Time	100	205	Patan Hospital, Lalitpur	On Time	100
112	NSRH, Parsa	No Reporting	0	206	DH, Gorkha	On Time	100
113	DH, Makawanpur	On Time	100	207	DH Trishuli, Nuwakot	No Reporting	0
114	NZH, Chitwan	No Reporting	0	208	Charikot PHCC, Dolakha	On Time	100
115	Kanti CH, Kathmandu	On Time	100	209	Jiri H, Dolakha	On Time	100
116	STH, Kathmandu	On Time	100	210	DH, Syangja	No Reporting	50
117	UMH, Palpa	On Time	100	211	DH, Tanahun	No Reporting	0
118	PCH, Nawalparasi	No Reporting	50	212	WRH, Kaski	On Time	100
119	PBH, Kapilbastu	On Time	100	214	DH, Gulmi	No Reporting	0
120	LZH, Rupandehi	On Time	100	215	DZH, Baglung	On Time	100
121	RSRH Dang	On Time	100	218	DH, Manang	On Time	100
122	MWRH, Surkhet	On Time	100	219	DH, Mustang	On Time	100
123	BZH, Banke	No Reporting	0	220	DH, Pyuthan	On Time	100
124	SZH, Kailali	No Reporting	0	221	DH, Rolpa	No Reporting	0
125	MZH, Kanchanpur	On Time	100	229	DH, Achham	No Reporting	0
126	DH, Doti	No Reporting	50	230	DH, Baitadi	On Time	100
127	DH, Bardiya	On Time	100	235	DH, Panchthar	On Time	100
128	DH, Mahottari	No Reporting	0	237	DH, Bhojpur	No Reporting	0
129	DH, Dadeldhura	No Reporting	0	238	DH, Khotang	No Reporting	0
130	DH, Rasuwa	No Reporting	0	240	DH, Udayapur	No Reporting	0
131	DH, Sankhuwasabha	On Time	100	301	Bayalpata Hosp., Achham	On Time	100
132	AMDA Hosp., Jhapa	On Time	100				
133	DH, Chautara	No Reporting	0			Excellent (>80)	
134	DH, Sarlahi	No Reporting	50			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.