

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(9th Epidemiological Week)

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This bulletin includes the updates from the Early Warning Reporting System (EWARS). It includes data since January 2016 till date, including comparison of same period during last year.

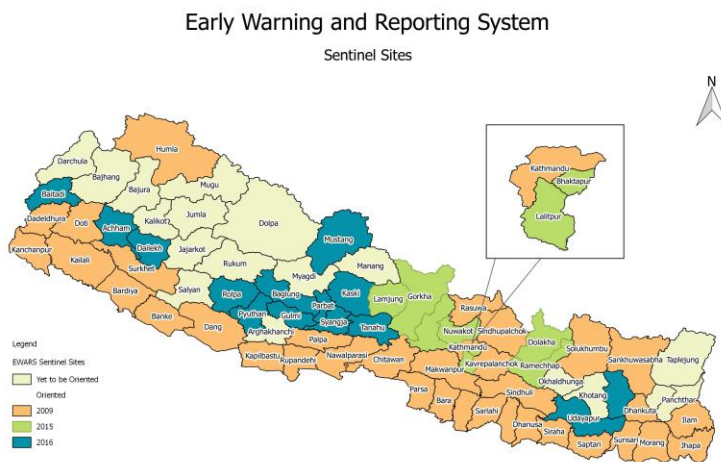
Section 1: The Early Warning and Reporting System (EWARS)

Highlights

- Bird Flu outbreak (H5N1) has been detected in a conservation Park, Taltaliya of Sunsari district (which lies between Itahari and Dharan). Similarly another Bird Flu outbreak (H5N8) has been detected in Pathivara Poultry farm, Itahari Sub metropolitan city ward no 12 of the same district. A team from District Livestock services, DPHO Sunsari, WHO and EDCD has been working for the outbreak investigation, control, and management. No human case has been detected till date.
- **Kala-azar:** Two cases of Kala-azar are reported this week, one each from Sukraraj Tropical and Infectious Disease Hospital, Teku and Koshi Zonal Hospital, Morang and the cases are from Mugu and Morang district respectively.
- **SARI:** Three deaths from SARI are reported this week, two from Kanti Children Hospital, Kathmandu and one from United Mission Hospital, Palpa. The deceased were from Kathmandu, Jhapa and Gorkha district respectively.
- No case of Dengue and Malaria is reported this week.

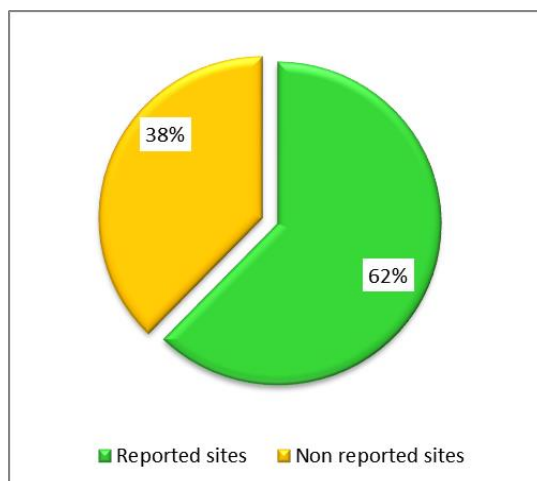
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs) can be mobilized at short notice to facilitate prompt outbreak response at Central, Regional and District level. They can also support local level health institutions for investigation and outbreak control activities.

This information system is hospital-based and is currently operational in 61 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

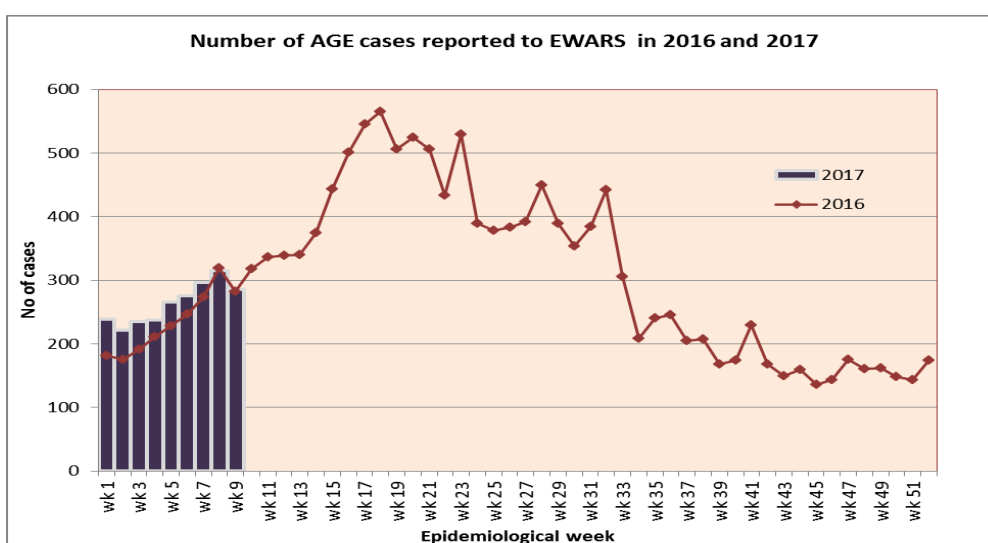
Out of 61 functional EWARS sentinel sites, report was received from 38 sentinel sites (62 percent) whereas 23 sentinel sites did not report in 9th Epidemiological week of 2017. The reporting coverage is same as compared to the previous week.



1.1 Acute Gastro-Enteritis and Cholera

285 cases of AGE are reported in 9th epidemiological week of 2017. Among 285 cases, the majority of cases are from Achham (43 cases), Dolakha (21 cases), Morang (19 cases), Kaski (13 cases), Dhanusha (11 cases) Gorkha (10 cases), Jhapa (10 cases), Pyuthan (10 cases), Doti (9 cases) and Kapilvastu (8 cases) district. The number of AGE cases reported in 9th week this year is same as the number of AGE cases reported in the same week last year (283 cases).

No death from AGE is reported this week. Three deaths from AGE are reported so far this year. Thirteen deaths from AGE were reported in 2016.

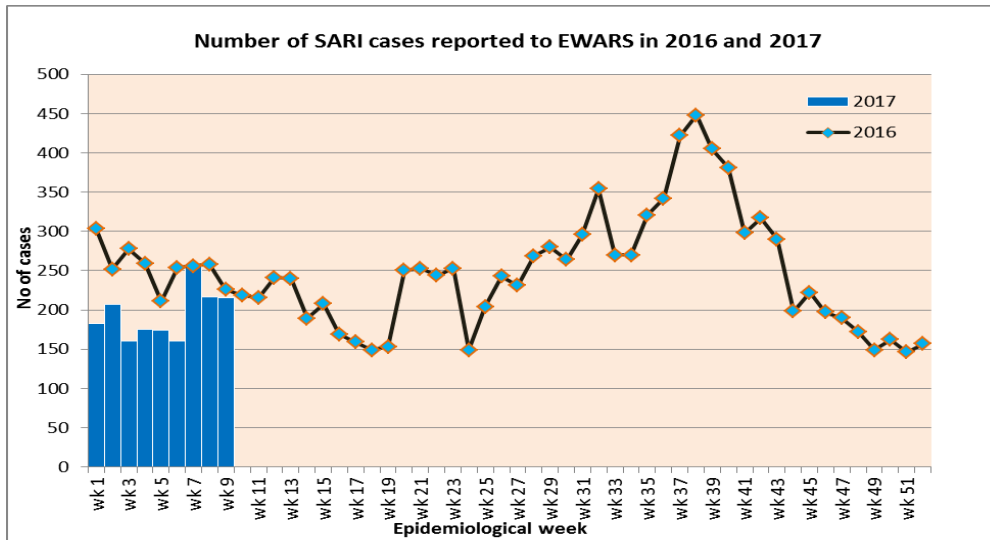


1.2 Severe Acute Respiratory Infection (SARI)

216 cases of SARI are reported in 9th epidemiological week of 2017. The cases of SARI reported this week did not exceed the number reported in the same week last year (226 cases). Among 216 cases, the majority of cases are from Jhapa (33 cases), Morang (21 cases), Rupandehi (18 cases), Lalitpur (14 cases), Dhankuta (11 cases), Kathmandu (10 cases), Kapilvastu (7 cases), Saptari (6 cases), Gorkha (6 cases), Gulmi (6 cases) and Dang (6 cases) district.

Three deaths from SARI are reported this week, two from Kanti Children Hospital, Kathmandu and one from United Mission Hospital, Palpa. The deceased were from Kathmandu, Jhapa and Gorkha district respectively.

Twelve deaths from SARI are reported so far this year. Seventy deaths from SARI were reported in 2016.



1.3 Enteric Fever

28 cases of Enteric fever are reported this week, including 6 from Nawalparasi and 4 from Morang, 3 from Lamjung, 3 from Tanahu and 2 from Kaski and Siraha district.

1.4 Malaria

No case of Malaria is reported this week. Two cases of malaria are reported so far this year. Eighty three cases of Malaria were reported through EWARS in 2016.

1.5 Dengue

No case of Dengue is reported this week. Three cases of Dengue are reported so far this year.

1.6 Kala-azar

Two cases of Kala-azar are reported this week, one each from Sukraraj Tropical and Infectious Disease Hospital, Teku and Koshi Zonal Hospital, Morang and the cases are from Mugu and Morang district respectively.

Thirty-five cases of Kala-azar cases are reported so far this year. 150 cases of Kala-azar were reported through EWARS in 2016.

Timeliness & completeness of reporting from sentinel sites:

Site Code	Sentinel Sites	Timeliness (this week)	Completeness (%)	Site code	Sentinel Sites	Timeliness (%)	Completeness (%)
101	Mechi ZH, Jhapa	On time	100	130	DH, Rasuwa	No reporting	0
102	Koshi ZH, Morang	On time	100	131	DH, Sankhuwasabha	On time	11
103	DH, Sunsari	On time	100	132	AMDA Hosp., Jhapa	On time	100
104	BPKIHS, Dharan	No reporting	77	133	DH, Chautara	On time	100
105	DH, Dhankuta	On time	100	134	DH, Sarlahi	On time	100
106	SZH, Saptari	On time	100	135	DH, Sindhuli	No reporting	66
107	RKUP Lahan, Siraha	On time	100	136	DH, Illam	On time	100
108	DH, Siraha	No reporting	88	137	Dhulikhel H., Kavre	No reporting	77
109	JZH, Dhanusha	On time	100	138	DH, Solukhumbu	No reporting	0
110	DH, Rautahat	No reporting	77	139	DH, Dolpa	No reporting	0
111	DH, Bara	No reporting	0	140	DH, Humla	No reporting	0
112	NSRH, Parsa	No reporting	44	201	Lamjung Comm DH, Lamjung	On time	100
113	DH, Makawanpur	On time	100	202	DH, Dhading	No reporting	0
114	NZH, Chitwan	No reporting	77	203	DH, Ramechhap	On time	100
115	Kanti CH, Kathmandu	On time	100	204	Bhaktapur Hospital	No reporting	0
116	STH, Kathmandu	On time	100	205	Patan Hospital, Lalitpur	On time	100
117	UMH, Palpa	On time	100	206	DH, Gorkha	On time	100
118	PCH, Nawalparasi	On time	100	207	DH Trishuli, Nuwakot	No reporting	0
119	PBH, Kapilvastu	On time	100	208	Charikot PHCC, Dolakha	On time	100
120	LZH, Rupandehi	On time	100	209	Jiri H, Dolakha	On time	100
121	RSRH Dang	On time	100	210	DH, Syangja	No reporting	0
122	MWRH, Surkhet	On time	100	211	DH, Tanahun	On time	100
123	BZH, Banke	On time	100	212	WRH, Kaski	On time	100
124	SZH, Kailali	No reporting	0	214	DH, Gulmi	No reporting	88
125	MZH, Kanchanpur	On time	100	215	DZH, Baglung	On time	100
126	DH, Doti	On time	100	219	DH, Mustang	No reporting	0
127	DH, Bardiya	On time	100	220	DH, Pyuthan	On time	100
128	DH, Mahottari	On time	100	221	DH, Rolpa	No reporting	0
129	DH, Dadeldhura	No reporting	0	229	DH, Achham	On time	100
				230	DH, Baitadi	No reporting	88
				237	DH, Bhojpur	No reporting	88
				240	DH, Udaypur	No reporting	0
				301	Bayalpata Hospital, Achham	On time	100

Green	Excellent (>80)
Yellow	Satisfactory (50-79)
Red	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 and NHSSP for preparation of this bulletin.

Note: EWARS reporting form (in MS Excel format) is available at EDCCD's official website www.edcd.gov.np. This bulletin is also available at the website.