

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(48th 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.

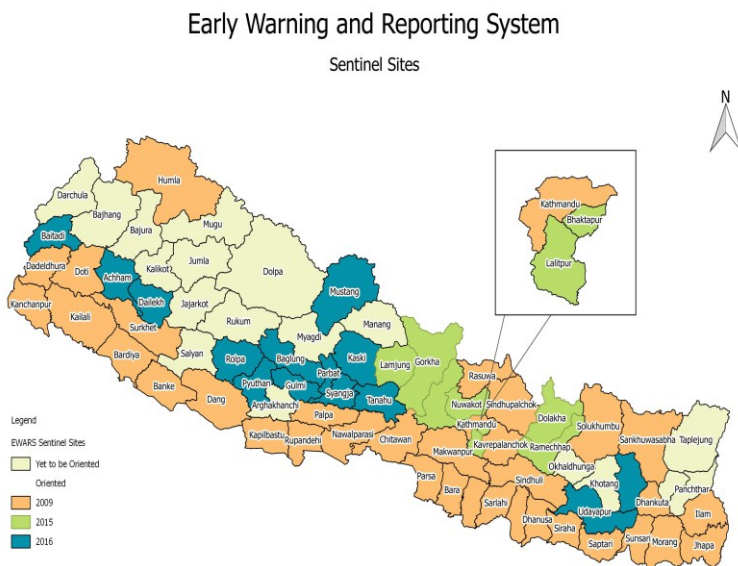
Section 1: The Early Warning and Reporting System (EWARS)

Highlights

- **Kala-azar:** Three cases of Kala azar are reported this week, one each from BPKIHS, Dharan, Kanti Children Hospital, Kathmandu and Koshi Zonal Hospital, Morang. The cases are from Morang and Bajura district.
- **Dengue:** Eleven cases of Dengue are reported this week, six from District hospital Makawanpur, 2 each from BPKIHS Dharan and Sukraraj tropical and Infectious disease hospital, Teku and one from Mahakali Zonal Hospital, Kanchanpur. The cases are from Makawanpur, Sunsari, Rautahat, Mahottari and Kanchanpur district.
- **Malaria:** No case of Malaria is reported this week.
- **Scrub typhus:** No case of Scrub typhus is reported this week.

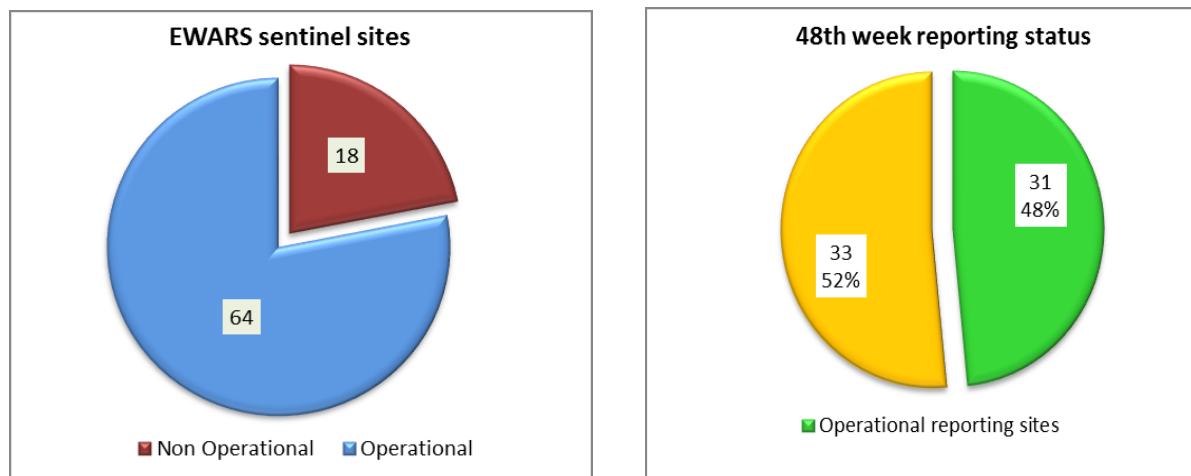
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs)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

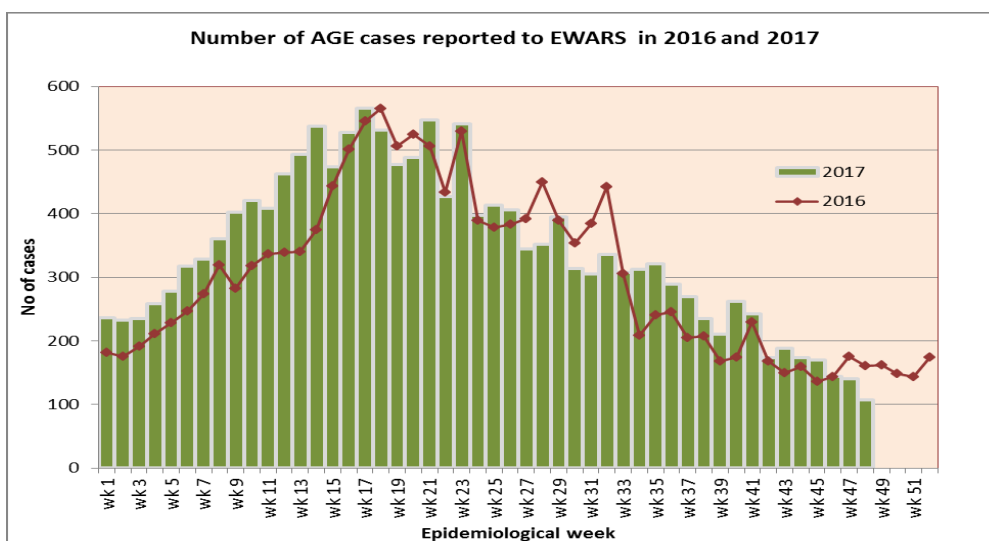
Out of 64 functional EWARS sentinel sites, report was received from 31 sentinel sites (48 percent) whereas 33 sentinel sites did not report in 48th Epidemiological week of 2017. The reporting coverage is decreased as compared to the previous week.



1.1 Acute Gastro-Enteritis and Cholera

107 cases of AGE are reported in 48th epidemiological week of 2017. Among 107 cases, the majority of cases are from Panchthar (13 cases), Achham (11 cases), Illam (10 cases), Kanchanpur (9 cases), Makawanpur (7 cases), Solukhumbu (7 cases), Bara (6 cases), Sunsari (5 cases) and Surkhet (5 cases) district. The number of AGE cases reported in 48th week this year is less as compared to the same week last year (161 cases).

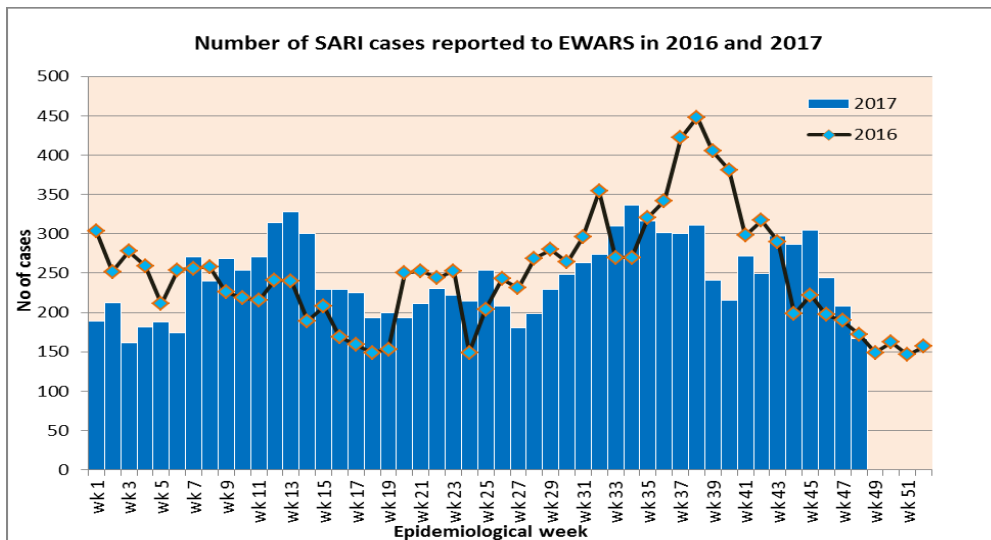
No death from AGE is reported this week. Nineteen deaths from AGE are reported so far this year. Thirteen deaths from AGE were reported in 2016.



1.2 Severe Acute Respiratory Infection (SARI)

167 cases of SARI are reported in 48th epidemiological week of 2017. The cases of SARI reported this week is less as compared to the number reported in the same week last year (172 cases). Among 167 cases, the majority of cases are from Morang (31 cases), Panchthar (14 cases), Sunsari (14 cases), Palpa (12 cases), Kanchanpur (11 cases), Dang (8 cases) and Illam (5 cases) district.

No death from SARI is reported this week. Seventy seven deaths from SARI are reported so far this year. Seventy deaths from SARI were reported in 2016.



1.3 Enteric Fever

12 cases of Enteric fever are reported this week, including 3 from Kaski, 3 from Dang, and 2 from Siraha and 1 each from Lamjung, Kathmandu and Morang district. Three deaths from Enteric Fever are reported so far this year.

1.4 Malaria

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

1.5 Dengue

Eleven cases of Dengue are reported this week, six from District hospital Makawanpur, 2 each from BPKIHS Dharan and Sukraraj tropical and Infectious disease hospital, Teku and one from Mahakali Zonal Hospital, Kanchanpur. The cases are from Makawanpur, Sunsari, Rautahat, Mahottari and Kanchanpur district.

A total of 2093 Dengue cases have been reported from 28 different districts since January 2017.

1.6 Kala-azar

Three cases of Kala azar are reported this week, one each from BPKIHS, Dharan, Kanti Children Hospital, Kathmandu and Koshi Zonal Hospital, Morang. The cases are from Morang and Bajura district.

Two hundred seven cases of Kala-azar are reported so far this year. 150 cases of Kala-azar were reported through EWARS in 2016.

1.7 Scrub Typhus

No case of Scrub Typhus is reported this week. 447 cases of Scrub Typhus are reported so far this year.

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	97	135	DH, Sindhuli	No Reporting	97
102	Koshi ZH, Morang	On Time	100	136	DH, Illam	On Time	100
103	DH, Sunsari	On Time	100	137	Dhulikhel H., Kavre	Late Reporting	97
104	BPKIHS, Dharan	On Time	100	138	DH, Solukhumbu	Late Reporting	55
105	DH, Dhankuta	No Reporting	97	139	DH, Dolpa	No Reporting	0
106	SZH, Saptari	No Reporting	30	140	DH, Humla	No Reporting	0
107	RKUP Lahan, Siraha	On Time	100	201	L. Comm DH, Lamjung	On Time	100
108	DH, Siraha	No Reporting	97	202	DH, Dhading	No Reporting	38
109	JZH, Dhanusha	No Reporting	97	203	DH, Ramechhap	On Time	100
110	DH, Rautahat	On Time	97	204	Bhaktapur Hospital	No reporting	15
111	DH, Bara	On Time	100	205	Patan Hospital, Lalitpur	No Reporting	97
112	NSRH, Parsa	On Time	97	206	DH, Gorkha	On Time	100
113	DH, Makawanpur	On Time	100	207	DH Trishuli, Nuwakot	No Reporting	0
114	NZH, Chitwan	No Reporting	95	208	Charikot PHCC, Dolakha	On Time	100
115	Kanti CH, Kathmandu	On Time	100	209	Jiri H, Dolakha	On Time	97
116	STH, Kathmandu	On Time	100	210	DH, Syangja	No Reporting	95
117	UMH, Palpa	No Reporting	97	211	DH, Tanahun	No Reporting	85
118	PCH, Nawalparasi	On Time	100	212	WRH, Kaski	On Time	100
119	PBH, Kapilbastu	No Reporting	97	214	DH, Gulmi	No Reporting	95
120	LZH, Rupandehi	No Reporting	97	215	DZH, Baglung	On Time	100
121	RSRH Dang	On Time	100	218	DH, Manang	No Reporting	48
122	MWRH, Surkhet	On Time	100	219	DH, Mustang	On Time	80
123	BZH, Banke	No reporting	60	220	DH, Pyuthan	No Reporting	95
124	SZH, Kailali	No Reporting	32	221	DH, Rolpa	No Reporting	10
125	MZH, Kanchanpur	On Time	100	229	DH, Achham	On Time	100
126	DH, Doti	No Reporting	90	230	DH, Baitadi	No Reporting	80
127	DH, Bardiya	No Reporting	95	235	DH, Panchthar	On Time	100
128	DH, Mahottari	No Reporting	25	237	DH, Bhojpur	No Reporting	18
129	DH, Dadeldhura	No Reporting	0	238	DH, Khotang	On Time	50
130	DH, Rasuwa	No Reporting	45	240	DH, Udayapur	No Reporting	0
131	DH, Sankhuwasabha	On Time	90	301	Bayalpata Hosp., Achham	On Time	100
132	AMDA Hosp., Jhapa	No Reporting	95				
133	DH, Chautara	On Time	100			Excellent (>80)	
134	DH, Sarlahi	No Reporting	97			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.