

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(46th Epidemiological Week)

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This bulletin includes the updates from the Early Warning Reporting System (EWARS). It includes data since January 2015 till date, including comparison of same period during last year.

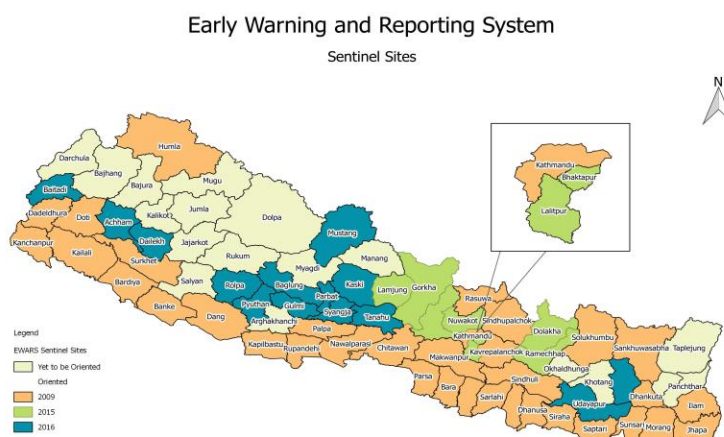
Section 1: The Early Warning and Reporting System (EWARS)

Highlights

- **Dengue:** A total of 1315 Dengue cases including one death (on 15th November, 2016) have been reported from 30 different districts since January 2016 out of which 661 cases from Chitwan and 350 cases from Jhapa district.
- **Scrub Typhus:** A total of 707 cases of Scrub Typhus cases including 14 deaths have been reported from 47 different districts of Nepal since July, 2016. Out of which 503 cases are from Chitwan District and 108 from Kailali district.
- **Cholera:** 169 cholera cases were confirmed by the National Public Health Laboratory so far since 30 June, 119 cases in Lalitpur, 31 cases in Kathmandu, 6 in Dhading, 3 in Saptari, 1 in Bhaktapur, 1 in Kavre, and 8 from unidentified place.
- **Malaria:** One case of Malaria (*Plasmodium vivax*) is reported this week from BPKIHS, Dharan and the case is from Sunsari district, Dharan Municipality ward No 23.
- **Kala-azar:** One case of Kala-azar is reported this week from United Mission Hospital, Palpa and the case is from Pipaldanda VDC ward no 7 of Palpa district.

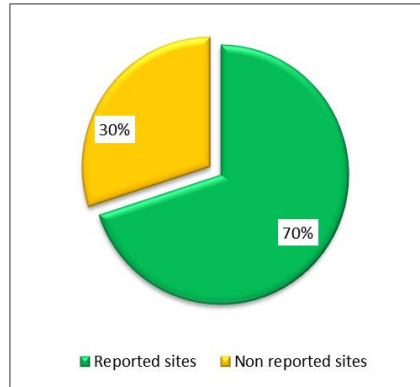
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs) can be mobilized at short notice to facilitate prompt outbreak response at Central, Regional and District level. 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 60 hospitals (out of 81 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

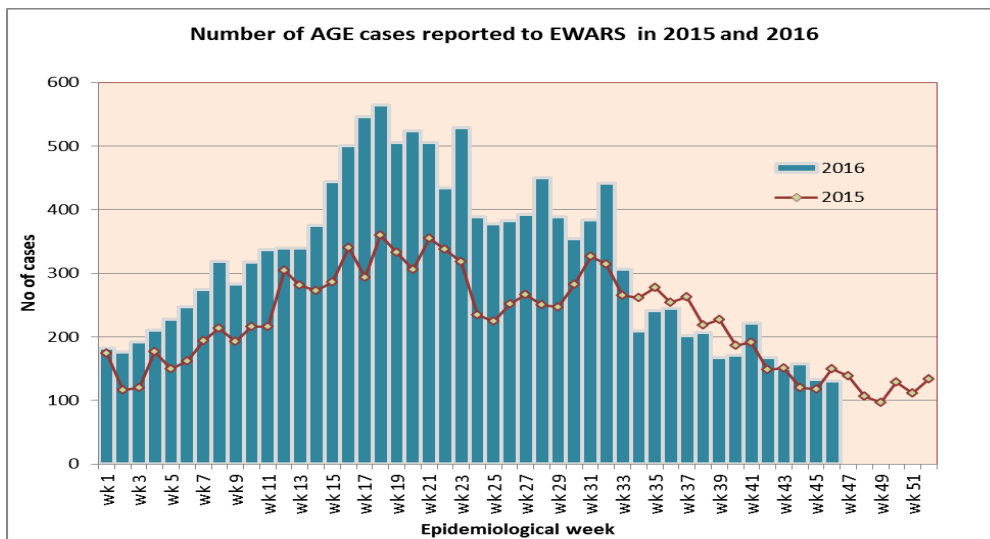
Out of 60 functional EWARS sentinel sites, report was received from 42 sentinel sites (70 percent) whereas 18 sentinel sites did not report in 46th Epidemiological week. The reporting coverage is same as compared to the previous week.



1.1 Acute Gastro-Enteritis and Cholera

131 cases of AGE are reported in 46th epidemiological week of 2016. Among 131 cases, the majority of cases are from Morang (13 cases), Mahottari (10 cases), Dolakha (9 cases), Dhading (9 cases), Sunsari (9 cases), Kanchanpur (7 cases), Kapilvastu (7 cases), Dhanusha (6 cases) and Lamjung (6 cases) district. The number of AGE cases reported in 46th week this year did not exceeds the number of AGE cases reported in the same week last year (150 cases).

No death from AGE is reported this week. Thirteen deaths from AGE are reported so far this year.

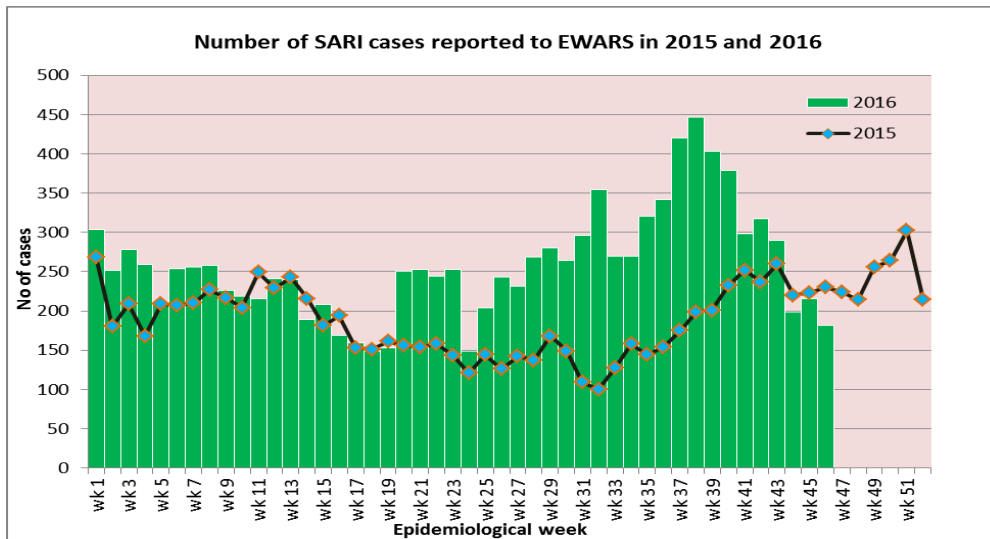


- Cholera:** 169 cholera cases were confirmed by the National Public Health Laboratory so far since 30 June, 31 cases in Kathmandu, 119 cases in Lalitpur, 1 in Bhaktapur, 1 in Kavre, 6 in Dhading, 3 in Saptari and 8 from unidentified place.

1.2 Severe Acute Respiratory Infection (SARI)

181 cases of SARI are reported in 46th epidemiological week of 2016. The cases of SARI reported this week did not exceed the number reported in the same week last year (230 cases). Among 181 cases, the majority of cases are from, Morang (22 cases), Jhapa (18 cases), Rupandehi (18 cases), Lalitpur (12 cases), Saptari (10 cases), Gorkha (9 cases), Sunsari (9 cases) and Palpa (9 cases) district.

No death from Sari is reported this week. Sixty two deaths from SARI are reported so far this year.



1.3 Enteric Fever

37 cases of Enteric fever are reported this week. The majority of cases are from Lamjung (6 cases), Nawalparasi(4 cases), Dolakha(4 cases), Saptari(3 cases), Siraha(3 cases), Tanahu(2 cases) and Pal pa(2 cases) district.

1.4 Malaria

One case of Malaria (*Plasmodium vivax*) is reported this week from BPKIHS, Dharan and the case is from Sunsari district, Dharan Municipality ward No 23.

Seventy seven cases of Malaria are reported so far this year. Ninety cases of Malaria were reported through EWARS in 2015.

1.5 Dengue

A total of 1315 Dengue cases including one death have been reported from 30 different districts out of which 661 cases from Chitwan and 350 cases from Jhapa, 97 from Rupandehi, 68 from Makwanpur, 29 from Banke, 24 from Bardiya, , 18 from Surkhet, 13 from Kailali, 6 from Dang, 6 from Sarlahi, 4 from Parsa, 3 from Nawalparasi, 3 from Dhading, 3 from Kapilvastu, 3 from Bara, 2 from Kathmandu, 2 from Kanchanpur, 2 from Mahottari, 2 from kavre one each from Lalitpur, Saptari, Kaski, Syangja, Baglung, Kalikot, Rukum, Sunsari, Pyuthan and Baitadi.

1.6 Kala-azar

One case of Kala-azar is reported this week from United Mission Hospital, Palpa and the case is from Pipaldanda VDC ward no 7 of Palpa district.

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	52
102	Koshi ZH, Morang	On time	100	131	DH, Sankhuwasabha	No reporting	0
103	DH, Sunsari	On time	100	132	AMDA Hosp., Jhapa	On time	100
104	BPKIHS, Dharan	On time	100	133	DH, Chautara	On time	100
105	DH, Dhankuta	On time	100	134	DH, Sarlahi	No reporting	97
106	SZH, Saptari	On time	100	135	DH, Sindhuli	On time	100
107	RKUP Lahan, Siraha	On time	100	136	DH, Illam	On time	100
108	DH, Siraha	No reporting	97	137	Dhulikhel H., Kavre	On time	97
109	JZH, Dhanusha	On time	100	138	DH, Solukhumbu	No reporting	64
110	DH, Rautahat	No reporting	82	139	DH, Dolpa	No reporting	0
111	DH, Bara	No reporting	0	140	DH, Humla	No reporting	0
112	NSRH, Parsa	No reporting	78	201	Lamjung Comm DH, Lamjung	On time	100
113	DH, Makawanpur	On time	100	202	DH, Dhading	On time	100
114	NZH, Chitwan	On time	100	203	DH, Ramechhap	On time	100
115	Kanti CH, Kathmandu	On time	90	204	Bhaktapur Hospital	On time	58
116	STH, Kathmandu	On time	100	205	Patan Hospital, Lalitpur	On time	88
117	UMH, Palpa	On time	100	206	DH, Gorkha	On time	82
118	PCH, Nawalparasi	On time	100	207	DH Trishuli, Nuwakot	No reporting	5
119	PBH, Kapilvastu	On time	100	208	Charikot PHCC, Dolakha	On time	90
120	LZH, Rupandehi	On time	100	209	Jiri H, Dolakha	On time	90
121	RSRH Dang	On time	100	210	DH, Syangja	On time	100
122	MWRH, Surkhet	No reporting	80	211	DH, Tanahun	On time	91
123	BZH, Banke	No reporting	8	212	WRH, Kaski	On time	100
124	SZH, Kailali	No reporting	46	214	DH, Gulmi	On time	88
125	MZH, Kanchanpur	On time	100	215	DZH, Baglung	On time	100
126	DH, Doti	On time	90	219	DH, Mustang	On time	88
127	DH, Bardiya	On time	100	220	DH, Pyuthan	On time	100
128	DH, Mahottari	On time	100	221	DH, Rolpa	No reporting	30
129	DH, Dadeldhura	No reporting	0	229	DH, Achham	No reporting	84
				230	DH, Baitadi	No reporting	92
				237	DH, Bhojpur	On time	80
				240	DH, Udaypur	No reporting	88

	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 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.