

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(38th 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

- 152 cholera cases were confirmed by the National Public Health Laboratory, Teku so far since 30 June, 26 cases in Kathmandu, 110 cases in Lalitpur, 1 in Bhaktapur, 4 in Dhading, 3 in Saptari and 8 from unidentified place. The last cholera confirmed case was seen on 18 Sept 2016 from ST&IDH, Teku.
- A total of 325 Scrub Typhus cases including 8 deaths have been reported from 38 different districts of Nepal Since July, 2016.
- 34 Dengue cases have been reported from Different hospitals of Chitwan districts through DPHO, Chitwan Since 11th of September out of which two cases are from Nawalparasi.
- One Chikungunya case has been reported from ST&IDH, Teku and the case is from Narayani Municipality-3, Buddhanagar.
- 185 Diarrhoeal cases are reported from Madhyabindu Municipality-9 Simreni of Nawalparasi district since 23rd Sep, 2016.
- One case of Malaria (*Plasmodium vivax*) is reported this week from District Hospital, Pyuthan and the case is from Markawang VDC of Pyuthan district.
- No case of Kala-azar is reported this week.

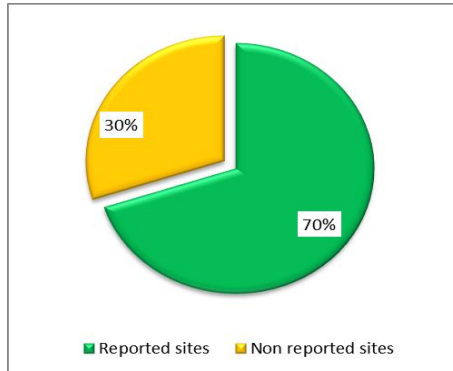
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs)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

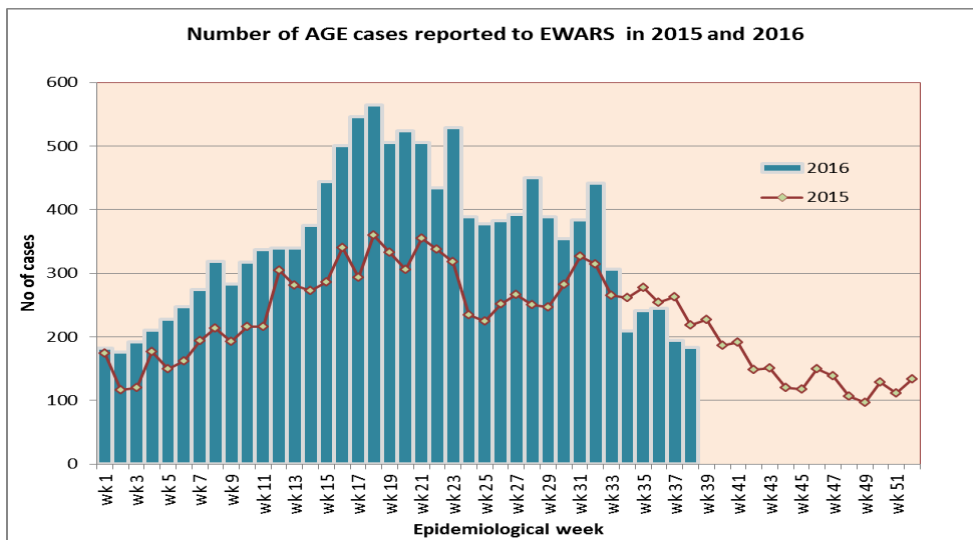
Out of 60 functional EWARS sentinel sites, report was received from 42 sentinel sites (70 percent) whereas 18 sentinel sites did not report in 37th Epidemiological week. The reporting coverage is same as compared to the previous week.



1.1 Acute Gastro-Enteritis and Cholera

184 cases of AGE are reported in 38th epidemiological week of 2016. Among 184 cases, the majority of cases are from Saptari (21 cases), Rupandehi (12 cases), Kanchanpur (12 cases), Sindhupalchok (11 cases), Sunsari (8 cases), Gorkha (8 cases), Bardiya (7 cases), Kathmandu (6 cases), Mustang (6 cases), Accham (6 cases) and Dhading (6 cases) district. The number of AGE cases reported in 38th week this year did not exceed the number of AGE cases reported in the same week last year (219 cases).

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

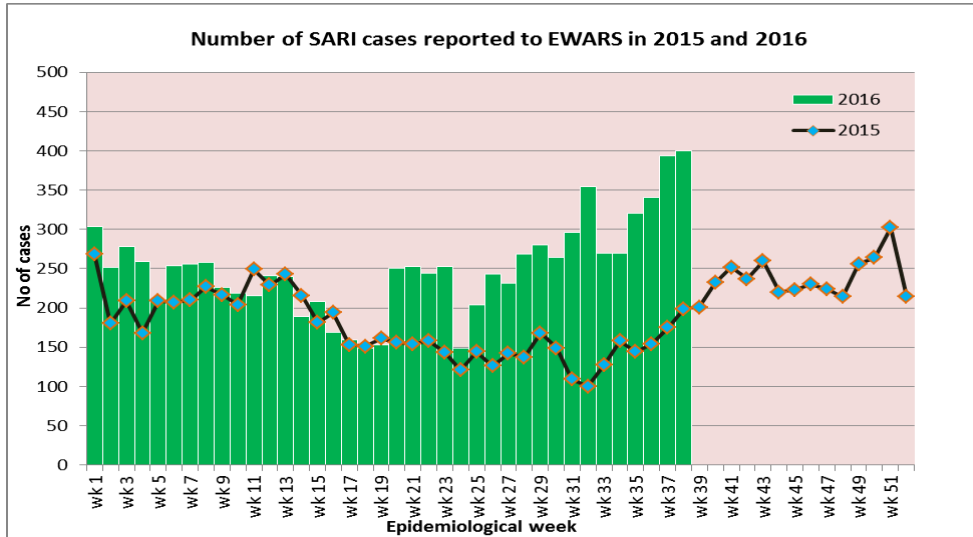


Cholera: 152 cholera cases were confirmed by the National Public Health Laboratory so far since 30 June, 26 cases in Kathmandu, 110 cases in Lalitpur, 1 in Bhaktapur, 4 in Dhading, 3 in Saptari and 8 from unidentified place. The last cholera confirmed case was seen on 18 Sept 2016 from ST&IDH, Teku.

1.2 Severe Acute Respiratory Infection (SARI)

400 cases of SARI are reported in 38th epidemiological week of 2016. The cases of SARI reported this week exceed the number reported in the same week last year (199 cases). Among 400 cases, the majority of cases are from, Jhapa (62 cases), Morang (48 cases), Lalitpur (25 cases), Palpa (22 cases), Sunsari (19 cases), Gorkha (18 cases), Kathmandu (15 cases), Saptari (15 cases) and Dhading (14 cases) district. There is rise in number of SARI cases in comparison to last week.

No death from SARI is reported this week. Fifty nine deaths from SARI are reported so far this year.



1.3 Enteric Fever

128 cases of Enteric fever are reported this week. The majority of cases are from Nawalparasi (19 cases), Sindhuli (11 cases), Syangja (9 cases), Tanahu (8 cases), Kaski (8 cases), Palpa (6 cases), Morang (6 cases) and Saptari (6 cases) district. The cases of Enteric fever is high since last few weeks so it is important to remain alert to detect potential clusters and conduct investigation to identify potential common source of contamination.

1.4 Malaria

One case of Malaria (*Plasmodium vivax*) is reported this week from District Hospital, Pyuthan and the case is from Markawang VDC of Pyuthan district.

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

1.5 Dengue

34 Dengue cases have been reported from Different hospitals of Chitwan districts through DPHO, Chitwan Since 11th of September out of which two cases are from Nawalparasi.

No case of Dengue is reported this week through EWARS. Only nine cases of Dengue are reported so far this year. Fifty-eight cases of Dengue were reported through EWARS in 2015

1.6 Kala-azar

No case of Kala-azar is reported this week. One hundred eighteen cases of kala-azar 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 (%)	Completeness (%)
101	Mechi ZH, Jhapa	On time	100	130	DH, Rasuwa	No reporting	65
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	On time	100
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	On time	100	137	Dhulikhel H., Kavre	On time	97
109	JZH, Dhanusha	No reporting	97	138	DH, Solukhumbu	No reporting	87
110	DH, Rautahat	On time	82	139	DH, Dolpa	No reporting	0
111	DH, Bara	No reporting	0	140	DH, Humla	No reporting	0
112	NSRH, Parsa	No reporting	89	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	52
116	STH, Kathmandu	On time	100	205	Patan Hospital, Lalitpur	On time	84
117	UMH, Palpa	No reporting	97	206	DH, Gorkha	On time	63
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	No reporting	97	210	DH, Syangja	On time	100
122	MWRH, Surkhet	No reporting	97	211	DH, Tanahun	On time	100
123	BZH, Banke	No reporting	0	212	WRH, Kaski	On time	100
124	SZH, Kailali	No reporting	62	214	DH, Gulmi	On time	97
125	MZH, Kanchanpur	On time	100	215	DZH, Baglung	On time	100
126	DH, Doti	On time	86	219	DH, Mustang	On time	100
127	DH, Bardiya	On time	100	220	DH, Pyuthan	On time	100
128	DH, Mahottari	No reporting	94	221	DH, Rolpa	No reporting	40
129	DH, Dadeldhura	No reporting	0	229	DH, Achham	On time	100
				230	DH, Baitadi	On time	100
				237	DH, Bhojpur	No reporting	94
				240	DH, Udaypur	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 support from WHO and NHSSP 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.