

Early Warning and Reporting System (EWARS)
Weekly Bulletin
(27th 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
<ul style="list-style-type: none"> • Three new cases of cholera (<i>Vibrio cholerae</i> Ogawa 01) are reported from Sukraraj Tropical and Infectious Disease Hospital, Teku and Patan Hospital, Lalitpur this week. • One case of Malaria (<i>plasmodium vivax</i>) is reported this week from Dhulikhel Hospital, Kavre and the case is from Ugratara janagal. • One case of Dengue is reported this week from Surkaraj Tropical and Infectious Disease hospital, Teku and the case is from Kirtipur Municipality Ward no 1. • One case of Kala-azar is reported this week from District Hospital, Siraha and the case is from Siraha Municipality. • One death from SARI is reported this week from Dhaulagiri Zonal Hospital, Baglung and the case is from Baglung district

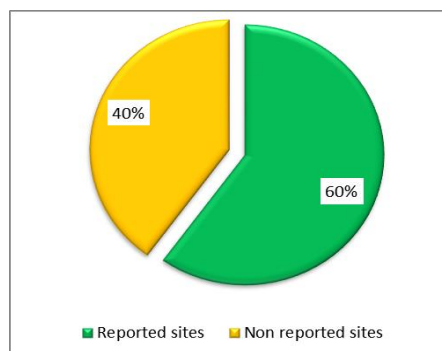
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs) 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 51 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

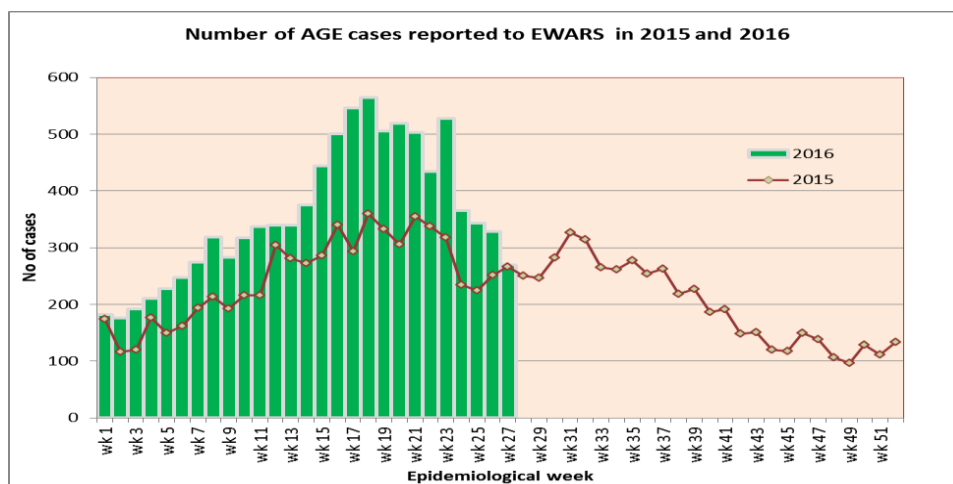
Out of 60 functional EWARS sentinel sites, report was received from 36 sentinel sites (60 percent) whereas 24 sentinel sites did not report in 27th Epidemiological week. The reporting coverage is increased as compared to the previous week.



1.1 Acute Gastro-Enteritis and Cholera

269 cases of AGE are reported in 27th epidemiological week of 2016. Among 269 cases, the majority of cases are from Bhaktapur (30 cases), Dhading (25 cases), Kathmandu (25 cases), Kanchanpur (22 cases), Dolakha (21 cases), Kapilvastu (17 cases) and Morang (13 cases) district. The number of AGE cases reported in 27th week this year did not exceed the the number of AGE cases reported in the same week last year (252 cases).

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



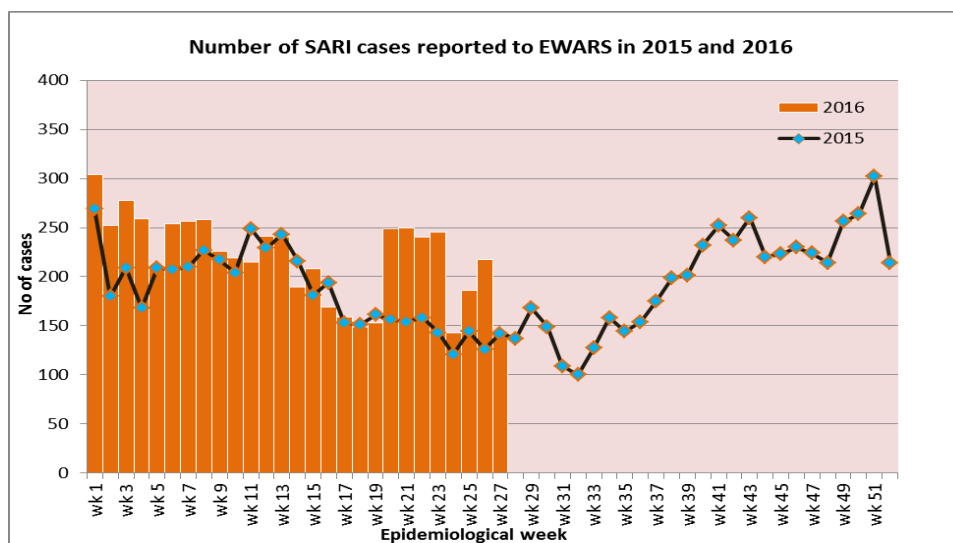
Cholera: a total of four Cholera cases have been reported till data. Three new cases of cholera (*Vibrio cholerae* Ogawa 01) are reported from Sukraraj Tropical and Infectious Disease Hospital, Teku and Patan Hospital, Lalitpur this week. The sample is confirmed positive by Nepal Public Health Laboratory and the cases are from Bafal and Godavari (Taukhel) area. Epidemiological and environmental investigations along with water and sanitation activities are carried out in coordination with DPHO and partners.

1.2 Severe Acute Respiratory Infection (SARI)

141 cases of SARI are reported in 27th epidemiological week of 2016. The cases of SARI reported this week is same as the number reported in the same week last year (142 cases). Among 141 cases, the majority of cases are from

Gorkha (30 cases), Morang (20 cases), Jhapa (16 cases), Lalitpur (8 cases), Saptari (9 cases) and Sunsari (6 cases) district.

One death from SARI is reported this week from Dhaulagiri Zonal Hospital, Baglung and the case is from Baglung district. Fourty one deaths from SARI are reported so far this year.



1.4 Malaria

One case of Malaria (*plasmodium vivax*) is reported this week from Dhulikhel Hospital, Kavre and the case is from Ugratara janagal. Only thirteen cases of malaria are reported so far this year. Ninety cases of Malaria were reported through EWARS in 2015.

1.5 Dengue

One case of Dengue is reported this week from Surkaraj Tropical and Infectious Disease hospital, Teku and the case is from Kirtipur Municipality Ward no 1. Only two case of dengue is reported so far this year. Fifty-eight cases of Dengue were reported through EWARS in 2015.

1.6 Kala-azar

One case of Kala-azar is reported this week from District Hospital, Siraha and the case is from Siraha Municipality.

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.

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	127	DH, Bardiya	No reporting	96
102	Koshi ZH, Morang	On time	100	128	DH, Mahottari	No reporting	92
103	DH, Sunsari	On time	100	129	DH, Dadeldhura	No reporting	0
104	BPKIHS, Dharan	No reporting	85	130	DH, Rasuwa	No reporting	85
105	DH, Dhankuta	No reporting	70	131	DH, Sankhuwasabha	No reporting	0
106	SZH, Saptari	On time	100	132	AMDA Hosp., Jhapa	On time	100
107	RKUP, Lahan, Siraha	On time	100	133	DH, Chautara	On time	100
108	DH, Siraha	On time	100	134	DH, Sarlahi	On time	100
109	JZH, Dhanusha	No reporting	88	135	DH, Sindhuli	On time	96
110	DH, Rautahat	On time	100	136	DH, Illam	On time	100
111	DH, Bara	No reporting	0	137	Dhulikhel H., Kavre	On time	100
112	NSRH, Parsa	No reporting	96	138	DH, Solukhumbu	No reporting	92
113	DH, Makawanpur	On time	100	139	DH, Dolpa	No reporting	0
114	NZH, Chitwan	On time	100	140	DH, Humla	No reporting	0
115	Kanti CH, Kathmandu	On time	88	201	Lamjung Comm DH, Lamjung	On time	100
116	STH, Kathmandu	On time	100	202	DH, Dhading	On time	100
117	UMH, Palpa	On time	100	203	DH, Ramechhap	No reporting	92
118	PCH, Nawalparasi	On time	100	204	Bhaktapur Hospital	On time	14
119	PBH, Kapilvastu	On time	100	205	Patan Hospital, Lalitpur	On time	77
120	LZH, Rupandehi	No reporting	96	206	DH, Gorkha	On time	33
121	RSRH Dang	On time	100	207	DH Trishuli, Nuwakot	No reporting	7
122	MWRH, Surkhet	On time	100	208	Charikot PHCC, Dholakha	On time	85
123	BZH, Banke	No reporting	0	209	Jiri H, Dolakha	On time	81
124	SZH, Kailali	No reporting	55	210	DH, Syangja	On time	100
125	MZH, Kanchanpur	On time	100	211	DH, Tanahun	On time	92
126	DH, Doti	On time	92	212	WRH, Kaski	On time	60
				214	DH, Gulmi	On time	100
				215	DZH, Baglung	On time	100
				220	DH, Pyuthan	On time	100

	Excellent (>80)
	Satisfactory (50-79)
	Bad (<50)

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.