

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(26th 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"> • One case of cholera (<i>Vibrio cholerae</i> Ogawa 01) has been confirmed by NPHL, Teku and the case is reported from Kanti Children Hospital, Maharajgunj. • One case of Kala-azar is reported this week from Lumbini Zonal Hospital, Rupandehi and the case is from Pyuthan district. • No case of Malaria and Dengue is reported this week. • No death from AGE and SARI is reported this week.

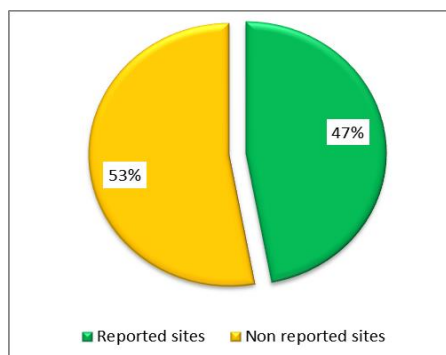
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs)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

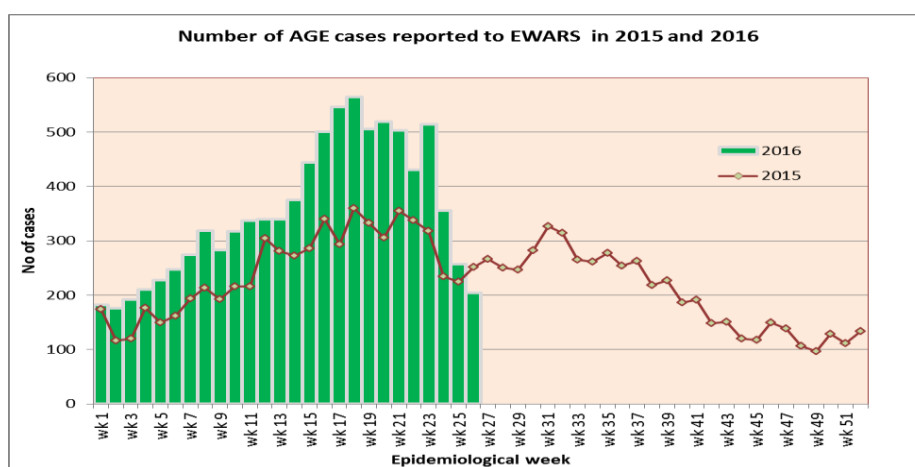
Out of 51 functional EWARS sentinel sites, report was received from 24 sentinel sites (47 percent) whereas 27 sentinel sites did not report in 26th Epidemiological week. The reporting coverage is decreased as compared to the previous week.



EDCD has conducted EWARS Annual Technical Review Meeting and Orientation to the EWARS Sentinel sites from 03 to 06 July 2016 in Pokhara. Medical Recorders from both old and new sentinel sites were participated.

1.1 Acute Gastro-Enteritis and Cholera

204 cases of AGE are reported in 26th epidemiological week of 2016. Among 204 cases, the majority of cases are from Dhading (35 cases), Dolakha (34 cases), Parsa (29 cases), Nawalparasi (16 cases), Kapilvastu (16 cases), Gorkha (11 cases) and Illam (9 cases) district. The number of AGE cases reported in 26th 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.



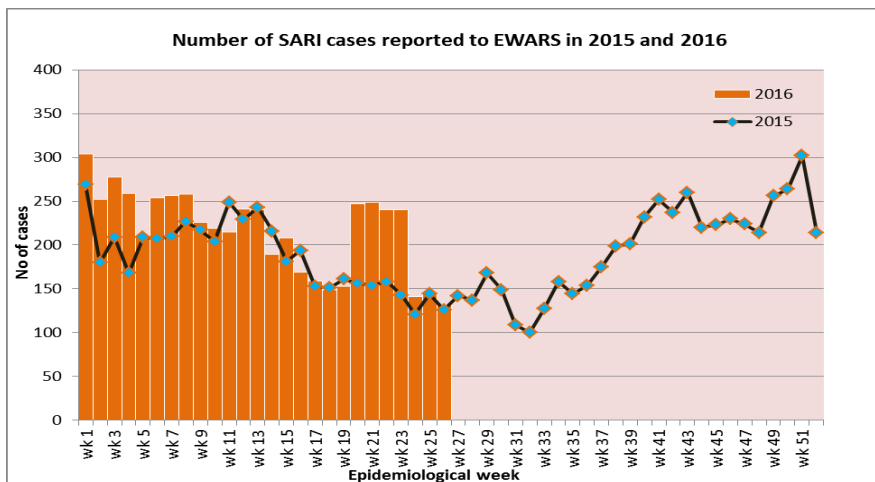
Cholera: One case of cholera (*Vibrio cholerae* Ogawa 01) has been reported from Kanti Children Hospital this week. The sample is confirmed positive by Nepal Public Health Laboratory on 6th July. The case is from Bafal, Kathmandu and has been already recovered. Epidemiological and environmental investigations along with water and sanitation activities are carried out in coordination with DPHO and partners.

1.2 Severe Acute Respiratory Infection (SARI)

132 cases of SARI are reported in 26th epidemiological week of 2016. The cases of SARI reported this week slightly exceed the number reported in the same week last year (126 cases). Among 132 cases, the majority of cases are

from Gorkha (27 cases), Saptari (22 cases), Palpa (13 cases), Rupandehi (13 cases), Siraha (8 cases), Jhapa (7 cases) and Bara (6 cases) district.

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



1.4 Malaria

No case of Malaria is reported this week. Only twelve cases of malaria are reported so far this year. Ninety cases of Malaria were reported through EWARS in 2015.

1.5 Dengue

No case of Dengue is reported this week. Only one 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 Lumbini Zonal Hospital, Rupandehi and the case is from Pyuthan district.

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	No reporting	92	127	DH, Bardiya	On time	100
102	Koshi ZH, Morang	No reporting	96	128	DH, Mahottari	No reporting	96
103	DH, Sunsari	On time	100	129	DH, Dadeldhura	No reporting	0
104	BPKIHS, Dharan	No reporting	88	130	DH, Rasuwa	No reporting	88
105	DH, Dhankuta	No reporting	73	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	92	135	DH, Sindhuli	No reporting	80
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	On time	100	138	DH, Solukhumbu	No reporting	96
113	DH, Makawanpur	No reporting	96	139	DH, Dolpa	No reporting	0
114	NZH, Chitwan	No reporting	57	140	DH, Humla	No reporting	0
115	Kanti CH, Kathmandu	No reporting	88	201	Lamjung Comm DH, Lamjung	On time	100
116	STH, Kathmandu	No reporting	92	202	DH, Dhading	On time	100
117	UMH, Palpa	On time	100	203	DH, Ramechhap	No reporting	96
118	PCH, Nawalparasi	On time	100	204	Bhaktapur Hospital	No reporting	0
119	PBH, Kapilvastu	On time	100	205	Patan Hospital, Lalitpur	On time	73
120	LZH, Rupandehi	On time	100	206	DH, Gorkha	On time	26
121	RSRH Dang	On time	100	207	DH Trishuli, Nuwakot	No reporting	7
122	MWRH, Surkhet	No reporting	92	208	Charikot PHCC, Dholakha	On time	82
123	BZH, Banke	No reporting	0	209	Jiri H, Dolakha	On time	76
124	SZH, Kailali	No reporting	57	211	DH, Tanahun	On time	88
125	MZH, Kanchanpur	No reporting	88	212	WRH, Kaski	No reporting	75
126	DH, Doti	On time	90	215	DZH, Baglung	No reporting	34

	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.