

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(12th Epidemiological Week)

3rd April 2016



Government of Nepal
Ministry of Health
Department of Health Services
Epidemiology and Disease Control Division
Kathmandu, Nepal
ewarsedcd@gmail.com

This bulletin includes the updates from two surveillance systems:

1. The Early Warning Reporting System (EWARS) includes data since January 2015 till date, including comparison of same period during last year.
2. Post-earthquake hospital based syndromic surveillance system covering public and private hospitals in the 14 districts highly affected by the April 2015 Earthquake.

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

Highlights

- One death from SARI is reported this week from United Mission Hospital, Palpa and the case is from Palpa district, Tahu VDC.
- One case of Malaria (*Plasmodium Vivax*) is reported this week from District Hospital, Makwanpur and the case is from Hetauda Municipality.
- Three cases of Kala-azar are reported this week from District Hospital Siraha, United Mission Hospital Palpa and Lumbini Zonal Hospital Rupandehi. The cases are from Siraha Municipality of Siraha district, Harmichaur VDC of Gulmi district and Rasapukot VDC of Pyuthan district respectively.
- Last year, the cases of AGE started to peak from week 9, so it is important to remain alert for new outbreak.
- No case of Dengue 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 48 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.

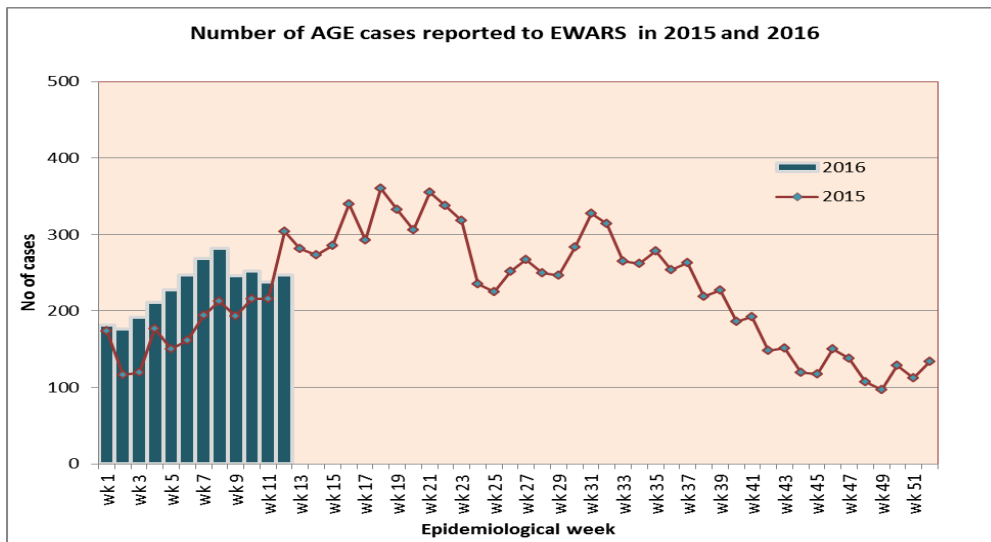


1.1 Acute Gastro-Enteritis and Cholera

247 cases of AGE are reported in 12th epidemiological week of 2016. Among 247 cases, the majority of cases are from Morang (25 cases), Dhading (24 cases), Jhapa (20 cases), Kanchanpur (14 cases), Kathmandu (12 cases), Lamjung (12 cases), Ramechhap (12 cases) and Kapilvastu (11 cases) district. The number of AGE cases reported in 12th week this year did not exceed the number of AGE cases reported in the same week last year (304 cases). Last year, the cases of AGE started to peak from week 9, so it is important to remain alert for new outbreak.

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

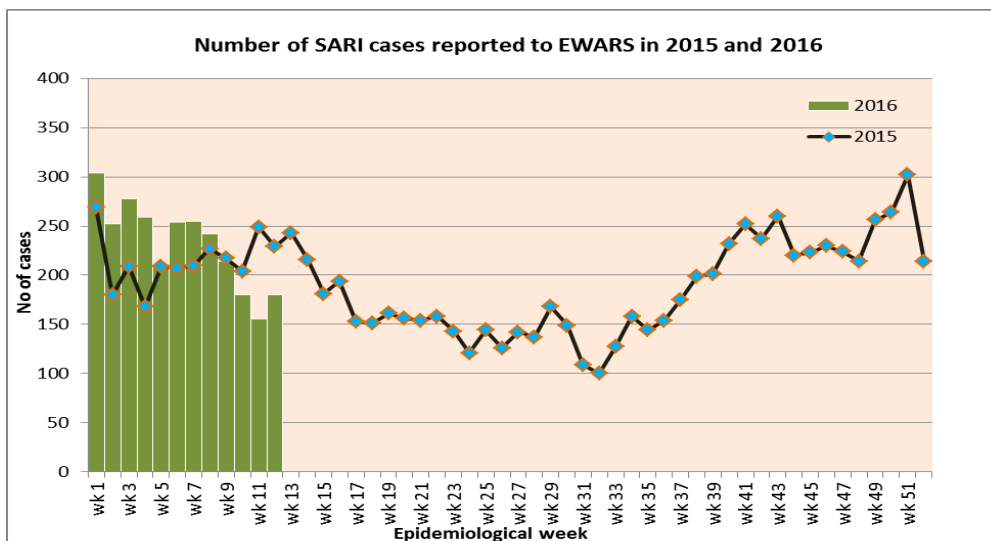
Cholera: No cholera cases are reported through the EWARS system this year.



1.2 Severe Acute Respiratory Infection (SARI)

180 cases of SARI are reported in 12th epidemiological week of 2016. The cases of SARI reported this week did not exceed the number reported in the same week last year (249 cases). Among 180 cases, 27 are from Jhapa, 26 are from Morang, 22 from Rupandehi, and 10 from Kapilvastu district.

One death from SARI is reported this week from United Mission Hospital, Palpa and the case is from Palpa district, Tahu VDC. Seventeen deaths from SARI are reported so far this year.



1.3 Enteric Fever

21 cases of enteric fever are reported this week including 6 from Lamjung, 3 from Jhapa and 2 each from Dhading, Saptari and Siraha district. The number of cases of enteric fever was peaked in week 37 in 2015 (71 cases).

1.4 Malaria

One case of Malaria (*Plasmodium Vivax*) is reported this week from District Hospital, Makwanpur and the case is from Hetauda Municipality. Only two 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

Three cases of Kala-azar are reported this week from District Hospital Siraha, United Mission Hospital Palpa and Lumbini Zonal Hospital Rupandehi. The cases are from Siraha Municipality of Siraha district, Harmichaur VDC of Gulmi district and Rasapukot VDC of Pyuthan district respectively.

Eighteen cases of Kala-azar are reported so far this year. 135 cases were reported through EWARS in 2015.

Section 2: Post-Earthquake Hospital Based Syndromic Disease Surveillance

*EDCD is unable to produce the report of Hospital based syndromic disease surveillance this week due to some technical problem. Sorry for the inconvenience.

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 (%)	Completeness (%)	Site code	Sentinel Sites	Timeliness (%)	Completeness (%)
101	Mechi ZH, Jhapa	94	100	125	MZH, Kanchanpur	98	100
102	Koshi ZH, Morang	98	100	126	DH, Doti	94	100
103	DH, Sunsari	100	100	127	DH, Bardiya	92	83
104	BPKIHS, Dharan	92	100	128	DH, Mahottari	92	100
105	DH, Dhankuta	100	100	129	DH, Dadeldhura	0	0
106	SZH, Saptari	98	100	130	DH, Rasuwa	92	100
107	RKUP, Lahan, Siraha	94	100	131	DH, Sankhuwasabha	0	0
108	DH, Siraha	100	100	132	AMDA Hosp., Jhapa	100	100
109	JZH, Dhanusha	0	0	133	DH, Chautara	100	100
110	DH, Rautahat	86	100	134	DH, Sarlahi	78	33
111	DH, Bara	0	0	135	DH, Sindhuli	90	100
112	NSRH, Parsa	86	58	136	DH, Illam	96	100
113	DH, Makawanpur	92	100	137	Dhulikhel H., Kavre	98	100
114	NZH, Chitwan	86	75	138	DH, Solukhumbu	0	0
115	Kanti CH, Kathmandu	86	100	139	DH, Dolpa	0	0
116	STH, Kathmandu	98	100	140	DH, Humla	0	0
117	UMH, Palpa	98	100	201	Lamjung Comm DH, Lamjung	92	100
118	PCH, Nawalparasi	94	100	202	DH, Dhading	100	100
119	PBH, Kapilvastu	98	100	203	DH, Ramechhap	98	100
120	LZH, Rupandehi	100	100	209	Jiri H, Dolakha	84	33
121	RSRH Dang	0	0	211	DH, Tanahun	92	75
122	MWRH, Surkhet	96	100				
123	BZH, Banke	0	0				
124	SZH, Kailali	90	66				

	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.