

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(14th Epidemiological Week)

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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
<ul style="list-style-type: none"> • Four cases of Kala-azar are reported this week, one each from United Mission Hospital Palpa, Mechi Zonal Hospital Jhapa, Sukraraj tropical and infectious disease hospital Teku and District Hospital, Sarlahi. The cases are from Syangja, Jhapa, Palpa and India respectively • Last year, the cases of AGE peaked on week 17, so it is important to remain alert for new outbreak. • No case of Dengue and Malaria is reported this week. • No death due to SARI and AGE 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.

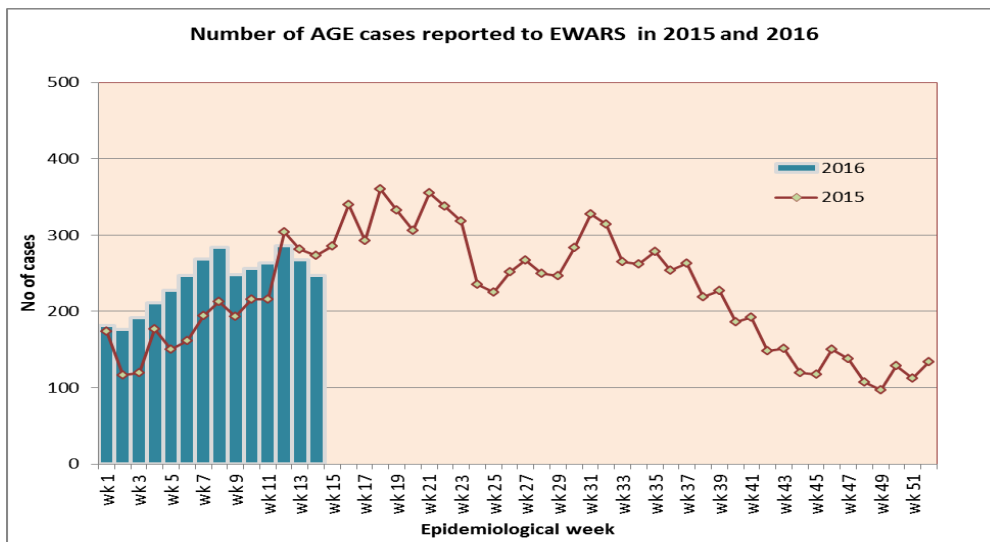


1.1 Acute Gastro-Enteritis and Cholera

247 cases of AGE are reported in 14th epidemiological week of 2016. Among 247 cases, the majority of cases are from Rupandehi (31 cases), Morang (25 cases), Kanchanpur (20 cases), Dhading (20 cases), Kapilvastu (17), Mahottari (12 cases), and Lalitpur (10 cases) district. The number of AGE cases reported in 14th week this year did not exceed the number of AGE cases reported in the same week last year (273 cases). Last year, the cases of AGE peaked on week 17, 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.

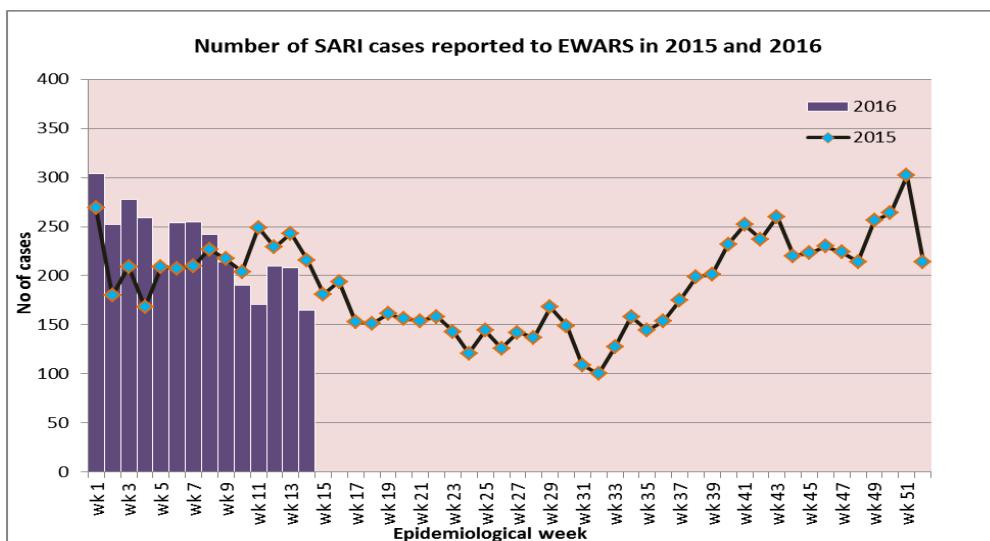
Cholera: No cholera cases are reported through the EWARS system this year.



1.2 Severe Acute Respiratory Infection (SARI)

165 cases of SARI are reported in 14th epidemiological week of 2016. The cases of SARI reported this week did not exceed the number reported in the same week last year (216 cases). Among 165 cases, the majority of cases are from Rupandehi (21 cases), Morang (19 cases), Jhapa (20 cases), Lalitpur (12 cases), Dhading (9 cases), and Palpa (8 cases) district.

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



1.3 Enteric Fever

22 cases of enteric fever are reported this week including 7 from Morang, 3 from Saptari, and 2 each from Jhapa, Kathmandu and Rupandehi district. The number of cases of enteric fever was peaked in week 37 in 2015 (71 cases).

1.4 Malaria

No case of Malaria is reported this week. 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

Four cases of Kala-azar are reported this week, one each from United Mission Hospital Palpa, Mechi Zonal Hospital Jhapa, Sukraraj tropical and Infectious disease hospital Teku and District Hospital Sarlahi. The cases are from Syangja, Jhapa, Palpa and India respectively. Twenty seven 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 also due to some technical reason. 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	92	92
103	DH, Sunsari	100	100	127	DH, Bardiya	90	92
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	88	85
107	RKUP, Lahan, Siraha	92	92	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	76	100
111	DH, Bara	0	0	135	DH, Sindhuli	86	85
112	NSRH, Parsa	82	50	136	DH, Illam	96	100
113	DH, Makawanpur	90	92	137	Dhulikhel H., Kavre	98	100
114	NZH, Chitwan	82	64	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	90	92
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	205	Patan Hospital, Lalitpur	2	35
121	RSRH Dang	0	0	208	Charikot PHCC, Dholakha	2	90
122	MWRH, Surkhet	96	100	209	Jiri H, Dolakha	82	35
123	BZH, Banke	0	0	211	DH, Tanahun	90	64
124	SZH, Kailali	86	57				

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

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.