

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(17th 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"> Outbreak: Diarrhoea <ol style="list-style-type: none"> District: Nuwakot Affected area: Tupche VDC -1, Kamaigar. Onset: 27th April, 2016 Cases: 63; No death Responses: RRT mobilize from DPHO 	
<ul style="list-style-type: none"> Two deaths from SARI are reported this week from Lumbini Zonal Hospital, Rupandehi and Patan Hospital, Lalitpur. The cases were from Rupandehi district and Lalitpur district respectively. 	
<ul style="list-style-type: none"> One case of Malaria (<i>plasmodium vivax</i>) is reported this week from Sukraraj Tropical and Infectious Disease Hospital, Teku and the case is from Jhapa district, Surunga VDC. 	
<ul style="list-style-type: none"> Four cases of Kala-azar are reported this week, two each from Mechi Zonal Hospital, Jhapa and Lumbini Zonal Hospital, Rupandehi. The cases are from Jhapa, Syangja and Pyuthan districts. 	
<ul style="list-style-type: none"> The number of AGE cases reported every week is in increasing trend. Last year, the cases of AGE peaked on week 17, so it is important to remain alert for new outbreak. 	

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.

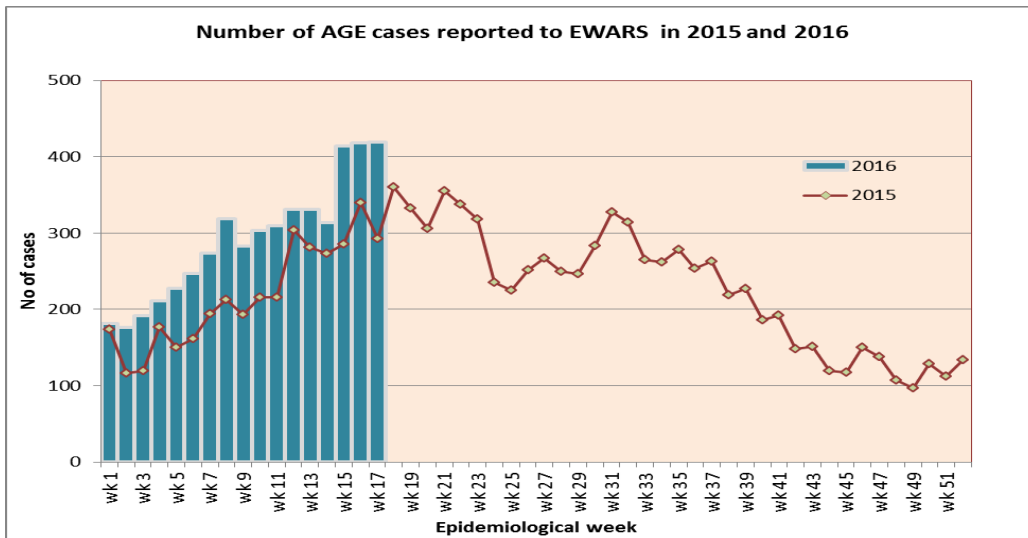


1.1 Acute Gastro-Enteritis and Cholera

419 cases of AGE are reported in 17th epidemiological week of 2016. Among 419 cases, the majority of cases are from Kanchanpur (54 cases), Dolakha (39 cases), Rupandehi (30 cases), Bardiya (27 cases), Kapilvastu (27 cases), Morang (26 cases), Kathmandu (24 cases) and Dhading (23 cases) district. The number of AGE cases reported in 17th week this year exceeds the number of AGE cases reported in the same week last year (293 cases). Last year, the cases of AGE peaked on May, 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.

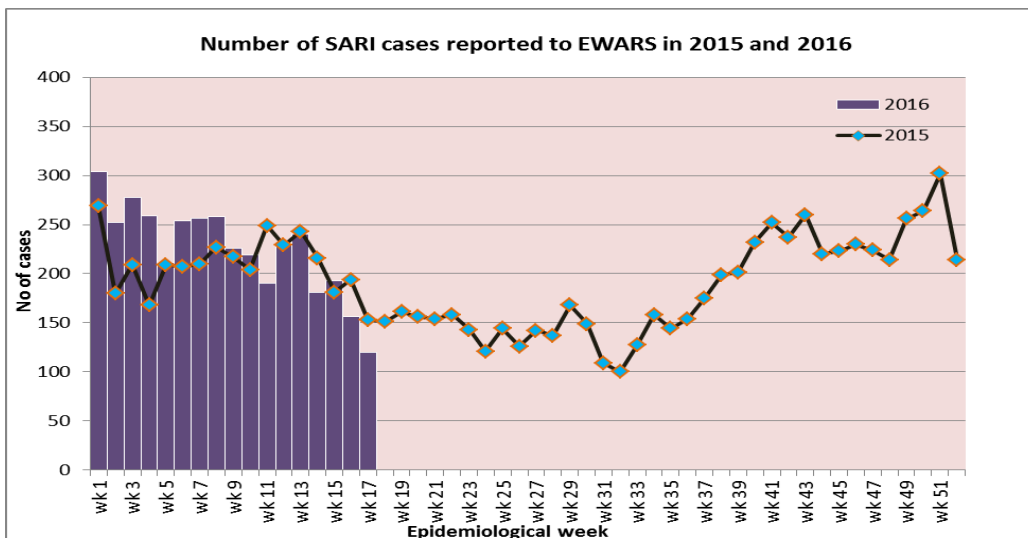
Cholera: No cholera cases are reported through the EWARS system this year.



1.2 Severe Acute Respiratory Infection (SARI)

120 cases of SARI are reported in 17th epidemiological week of 2016. The cases of SARI reported this week did not exceed the number reported in the same week last year (153 cases). Among 120 cases, the majority of cases are from Rupandehi (18 cases), Morang (14 cases), Jhapa (11 cases), Saptari (10 cases) and Lalitpur (9 cases) district.

Two deaths from SARI are reported this week from Lumbini Zonal Hospital, Rupandehi and Patan Hospital, Lalitpur. The cases were from Rupandehi district and Lalitpur district respectively. Twenty six deaths from SARI are reported so far this year.



1.3 Enteric Fever

28 cases of enteric fever are reported this week including 5 from Siraha, 4 each from Saptari and Kavre, and 2 each from Kapilvastu, Morang, Sindupalchok, and Surkhet 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 Sukraraj Tropical and Infectious Disease Hospital, Teku and the case is from Jhapa district, Surunga VDC. Only three 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, two each from Mechi Zonal Hospital, Jhapa and Lumbini Zonal Hospital, Rupandehi. The cases are from Jhapa, Syangja and Pyuthan districts. Thirty five confirmed cases of Kala-azar are reported so far this year. 135 cases were reported through EWARS in 2015.

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	92	100	125	MZH, Kanchanpur	98	100
102	Koshi ZH, Morang	98	100	126	DH, Doti	90	100
103	DH, Sunsari	100	100	127	DH, Bardiya	88	100
104	BPKIHS, Dharan	88	94	128	DH, Mahottari	92	100
105	DH, Dhankuta	98	94	129	DH, Dadeldhura	0	0
106	SZH, Saptari	98	100	130	DH, Rasuwa	84	88
107	RKUP, Lahan, Siraha	92	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	84	94	134	DH, Sarlahi	74	94
111	DH, Bara	0	0	135	DH, Sindhuli	80	70
112	NSRH, Parsa	80	76	136	DH, Illam	94	94
113	DH, Makawanpur	88	94	137	Dhulikhel H., Kavre	98	100
114	NZH, Chitwan	80	88	138	DH, Solukhumbu	0	0
115	Kanti CH, Kathmandu	82	94	139	DH, Dolpa	0	0
116	STH, Kathmandu	98	100	140	DH, Humla	0	0
117	UMH, Palpa	96	100	201	Lamjung Comm DH, Lamjung	90	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	205	Patan Hospital, Lalitpur	8	52
121	RSRH Dang	2	88	207	DH Trishuli, Nuwakot	2	5
122	MWRH, Surkhet	96	100	208	Charikot PHCC, Dholakha	8	86
123	BZH, Banke	0	0	209	Jiri H, Dolakha	78	37
124	SZH, Kailali	80	47	211	DH, Tanahun	90	82
				215	DZH, Baglung	4	11

	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.