Early Warning and Reporting System (EWARS)

Weekly Bulletin

(14th Epidemiological Week) 16 April, 2017



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

Highlights								
•	Kala-azar: 14 cases of Kala-azar have been reported in Ishworpur Municipality-2, Raitertole of Sarlahi district on 8th April, 2017. Out of them, 11 cases are confirmed and 3 cases are asymptomatic. One death has been reported.							
	One case of Kala-azar is reported from Achham.							
•	SARI : The cases of SARI reported this week (222) exceeded the number that was reported in the same week of last year (189 cases).							
•	No case of Dengue is reported this week.							

• No case of Malaria 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. RRTs can also support local level health institutions for investigation and outbreak control activities.

This information system is hospital-based and is currently operational in 61 hospitals (out of 82 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, Cholera, Acute Gastroenteritis (AGE), 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 suspected/clinical case of Dengue as well as 5 or more cases of AGE and SARI from the same geographical locality in one week period.



Early Warning and Reporting System

Reporting Status

Out of 61 operational EWARS sentinel sites, 40 (Forty) sentinel sites (65.75 percent) have reported. Whereas 21 (Twenty-two) sentinel sites have not reported in 14th Epidemiological week of 2017. The reporting coverage is same as compared to the previous week.



<u>1.1 Acute Gastro-Enteritis (AGE) and Cholera:</u>

340 cases of AGE are reported in 14th epidemiological week of 2017. Among 340 cases, the majority of cases are from Dhanusha(40), Achham (28), Dolkha(26), Sunsari(24) and Rupandehi(24) districts. The number of AGE cases reported in 14th week of this year has not exceeded the number of AGE cases reported in the same week of last year (375 cases).

No death from AGE is reported this week. Three deaths from AGE are reported so far this year. Thirteen deaths from AGE were reported in 2016.



<u>1.2 Severe Acute Respiratory Infection (SARI)</u>:</u>

222 cases of SARI are reported in 14th epidemiological week of 2017. The cases of SARI reported this week exceeded the number reported in the same week last year (189 cases). Among 222 cases, the majority of cases are from Kathmandu (42), Lalitpur (39), Rupandehi (35), Panchthar (22), Baitadi (23) districts.

No death from SARI is reported this week. Fifteen deaths from SARI are reported so far this year. 70 deaths from SARI were reported in 2016.



1.3 Enteric Fever:

17 cases of Enteric fever are reported this week, including Three from Chitawan district; Two each from Baglung, Kavrepalanchok, Lamjung, Nawalparasi districts; and One each from Dolakha, Gulmi, Kapilbastu, Ramechhap, Sindhuli and Tanahu districts.

1.4 Malaria:

No case of Malaria is reported this week. Four cases of malaria are reported so far this year. Ninety Three three cases of Malaria were reported through EWARS in 2016 and One case of Malaria had been reported in the same week of 2016

1.5 Dengue:

No case of Dengue is reported this week. Three cases of Dengue were reported so far this year.

1.6 Kala-azar:

14 cases of Kala-azar have been reported in Ishworpur Municipality-2, Raitertole of Sarlahi district on 8th April, 2017. Out of them, 11 cases are confirmed and 3 cases are asymptomatic. One death has been reported. One case of Kala-azar is reported from Achham. Seventy-three cases of Kala-azar have been reported through EWARS in 2016

Timeliness & completeness of reporting from sentinel sites:

Site Code	Sentinel Sites	Timeliness (This Week)	Completeness (%)	Site Code	Sentinel Sites	Timeliness (This Week)	Completeness (%)
101	Mechi ZH, Jhapa	On time	100	135	DH, Sindhuli	On time	100
102	Koshi ZH, Morang	No reporting	92	136	DH, Illam	On time	100
103	DH, Sunsari	On time	100	137	Dhulikhel H., Kavre	On time	90
104	BPKIHS, Dharan	On time	85	138	DH, Solukhumbu	On time	28
105	DH, Dhankuta	On time	100	139	DH, Dolpa	No reporting	0
106	SZH, Saptari	No reporting	65	140	DH, Humla	No reporting	0
107	RKUP Lahan, Siraha	On time	100	201	L. Comm DH, Lamjung	On time	100
108	DH, Siraha	No reporting	92	202	DH, Dhading	No reporting	0
109	JZH, Dhanusha	On time	100	203	DH, Ramechhap	On time	100
110	DH, Rautahat	On time	99	204	Bhaktapur Hospital	No reporting	0
111	DH, Bara	No reporting	0	205	Patan Hospital, Lalitpur	On time	100
112	NSRH, Parsa	On time	92	206	DH, Gorkha	On time	100
113	DH, Makawanpur	No reporting	84	207	DH Trishuli , Nuwakot	No reporting	0
114	NZH, Chitwan	On time	100	208	Charikot PHCC, Dolakha	On time	100
115	Kanti CH, Kathmandu	On time	100	209	Jiri H, Dolakha	No reporting	92
116	STH, Kathmandu	On time	100	210	DH, Syangja	No reporting	0
117	UMH, Palpa	On time	100	211	DH, Tanahun	On time	89
118	PCH, Nawalparasi	No Reporting	84	212	WRH, Kaski	On time	100
119	PBH, Kapilvastu	On time	100	214	DH, Gulmi	On time	98
120	LZH, Rupandehi	On time	90	215	DZH, Baglung	On time	100
121	RSRH Dang	No Reporting	84	219	DH, Mustang	No reporting	40
122	MWRH, Surkhet	On time	100	220	DH, Pyuthan	On time	100
123	BZH, Banke	On time	89	221	DH, Rolpa	No reporting	0
124	SZH, Kailali	No reporting	0	229	DH, Achham	On time	100
125	MZH, Kanchanpur	On time	100	230	DH, Baitadi	On time	90
126	DH, Doti	On time	100	235	DH, Panchthar	On time	60
127	DH, Bardiya	On time	89	237	DH, Bhojpur	No reporting	64
128	DH, Mahottari	No reporting	90	240	DH, Udaypur	No reporting	0
129	DH, Dadeldhura	No reporting	0	301	Bayalpata Hosp., Achham	On time	100
130	DH, Rasuwa	No reporting	0				
131	DH, Sankhuwasabha	No reporting	64				
132	AMDA Hosp., Jhapa	On time	100			Excellent (>80)	
133	DH, Chautara	On time	100			Satisfactory (50-79)	
134	DH, Sarlahi	On time	100			Bad(<50)	

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.

Note: EWARS reporting form (in MS Excel format) is available at EDCD's official website <u>www.edcd.gov.np</u>. This bulletin is also available at the website.