

Early Warning and Reporting System (EWARS)

Weekly Bulletin

(18th 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

- **Outbreak: Pneumonia**
 1. District: Kathmandu
 Affected area: Thankot, Kathmandu(all the cases are from same school hostel)
 Onset: 5th May, 2016
 Cases: 12; No death
 Age group:6-13 years
 All the cases were reported from Manmohan Memorial Teaching Hospital.
 Responses: EDCCD team visited the hospital and affected area. Blood samples and throat swabs were collected and send to NPHL, Teku for the further investigation.
- Two deaths from SARI are reported this week from Koshi Zonal Hospital, Morang and Patan Hospital, Lalitpur. The cases were from Sunsari district and Kathmandu district respectively.
- Four cases of Kala-azar are reported this week, two from District Hospital Siraha and one each from United Mission Hospital, Palpa and BPKIHS Dharan. The cases are from Siraha, Syangja and Sunsari districts.
- The number of AGE cases is in decreasing trend. Last year, the Cholera outbreak occurred on August, 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 (EDCCD) 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.

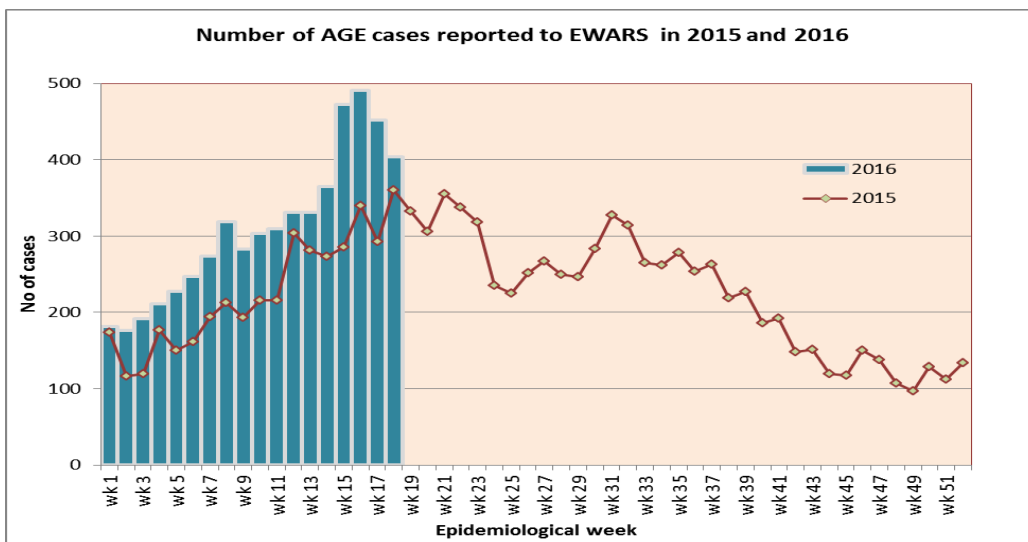
This information system is hospital-based and is currently operational in 48 hospitals (out of 81 sites) throughout Nepal (Figure 1). So far, the EWARS mainly focuses on the **weekly reporting** of number of cases and deaths (including "zero" reports) of six priority diseases/syndromes—Malaria, Kala-azar, 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

404 cases of AGE are reported in 18th epidemiological week of 2016. Among 404 cases, the majority of cases are from Kanchanpur (52 cases), Kapilvastu (37 cases), Rupandehi (31 cases), Dhading (31 cases), Morang (28 case), Dolakha (24 cases) and Kathmandu (21 cases) district. The number of AGE cases reported in 18th week this year exceeds the number of AGE cases reported in the same week last year (360 cases). No death from AGE is reported this week. Five deaths from AGE are reported so far this year.

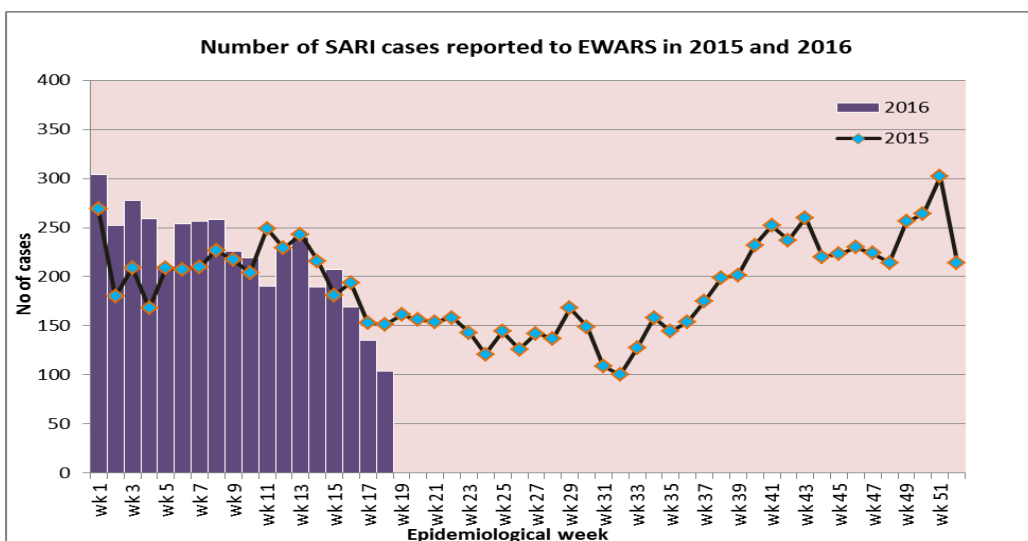
Cholera: No cholera cases are reported through the EWARS system this year. Last year, the Cholera outbreak occurred on August, so it is important to remain alert for new outbreak.



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 Koshi Zonal Hospital, Morang and Patan Hospital, Lalitpur. The cases were from Sunsari district and Kathmandu district respectively. Twenty eight deaths from SARI are reported so far this year.



1.3 Enteric Fever

30 cases of enteric fever are reported this week including 5 from Saptari, 3 each from Dang, Kavre and Surkhet district and 2 each from Jhapa, Lamjung, Sindupalchowk and Siraha 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 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 from District Hospital, Siraha and one each from United Mission Hospital, Palpa and BPKIHS Dharan. The cases are from Siraha, Syangja and Sunsari districts. Thirty nine 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	86	94
104	BPKIHS, Dharan	88	100	128	DH, Mahottari	90	94
105	DH, Dhankuta	98	100	129	DH, Dadeldhura	0	0
106	SZH, Saptari	98	100	130	DH, Rasuwa	82	83
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	72	88
111	DH, Bara	0	0	135	DH, Sindhuli	78	66
112	NSRH, Parsa	80	88	136	DH, Illam	94	100
113	DH, Makawanpur	86	88	137	Dhulikhel H., Kavre	98	100
114	NZH, Chitwan	78	83	138	DH, Solukhumbu	0	0
115	Kanti CH, Kathmandu	80	88	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	10	55
121	RSRH Dang	4	100	207	DH Trishuli, Nuwakot	4	11
122	MWRH, Surkhet	96	100	208	Charikot PHCC, Dholakha	8	86
123	BZH, Banke	0	0	209	Jiri H, Dolakha	76	33
124	SZH, Kailali	78	44	211	DH, Tanahun	90	82
				215	DZH, Baglung	6	16

■	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.