



**Influenza-like-illness (ILI) and Severe Acute Respiratory Infection (SARI) surveillance, Week 32 (8<sup>th</sup> – 14<sup>th</sup> August, 2016)**

**Synopsis**

The most predominant virus type found in the sentinel sites in the week 32 was *Flu B*. Overall incidence of Influenza-like-illness (ILI) was 12/ 1000 outpatient visits, the highest incidence being reported from Paro Hospital. Incidence of severe Acute Respiratory Infection (SARI) was recorded at 8/ 100 hospitalized patients and the highest incidence being recorded at Samtse Hospital.

**1. Virological Surveillance**

Out of Thirty eight respiratory specimens (ILI=24 & SARI=14) received and tested for influenza viruses by Real Time RT PCR, the most commonly detected was Influenza Flu B (16). Geographically, this type was concentrated mainly in West and Central regions.

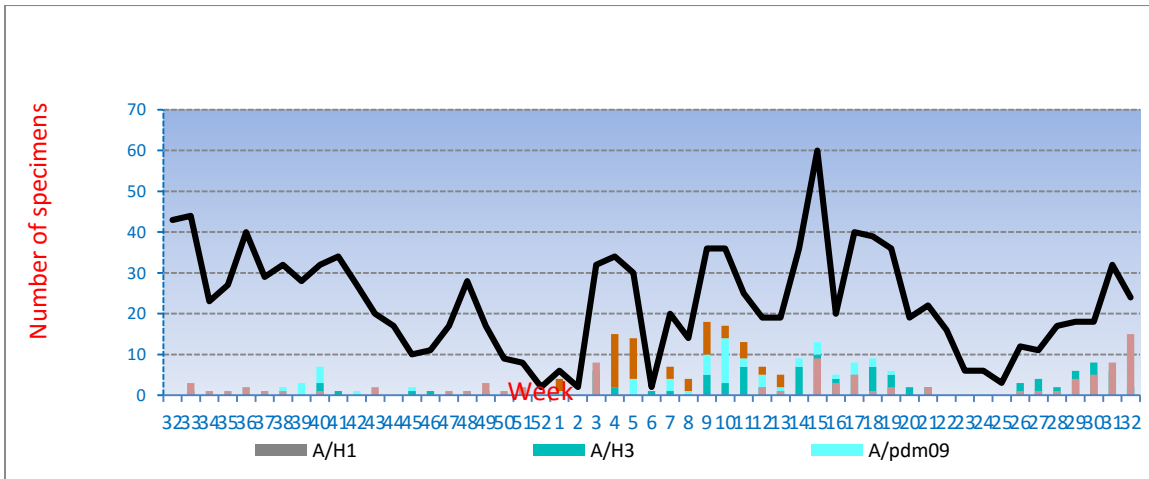


Figure 1: Trend of influenza virus subtypes by week detected from ILI cases (Note: data is till 32<sup>rd</sup> week)

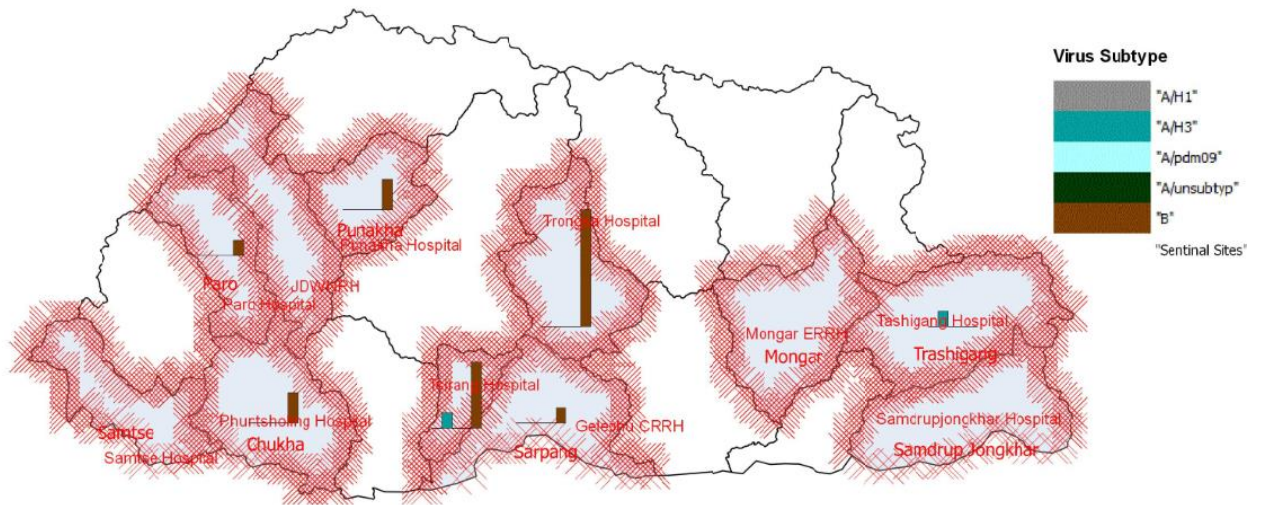


Figure 2: Geographical distribution of influenza virus subtypes detected from ILI and SARI cases for week 32

## 2. Epidemiological Surveillance

### a) Nationwide ARI and SARI surveillance data as per NEWARS reporting

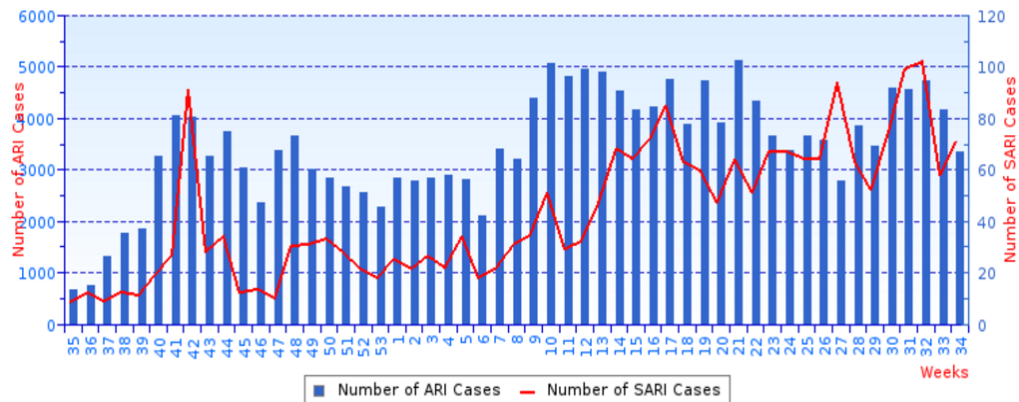


Figure 3: Trend of ARI and SARI cases

### b) ILI and SARI sentinel Surveillance

ILI incidence in the sentinel sites for the week was 12 cases per 1000 outpatient visits, which is lower compared to the previous week (Figure 3). Paro hospital has reported the highest ILI incidence (33 cases) for the week. Trashigang and Trongsa hospitals have not reported for the week (Table 1).

SARI incidence in the sentinel sites for the week was 8 cases per 100 admitted cases, which is similar compared to the previous week (Figure 4). Trongsa hospital (11) has reported the highest SARI incidence for the week. Reports have not been received from Tsirang and JDWNR hospital (Table 1).

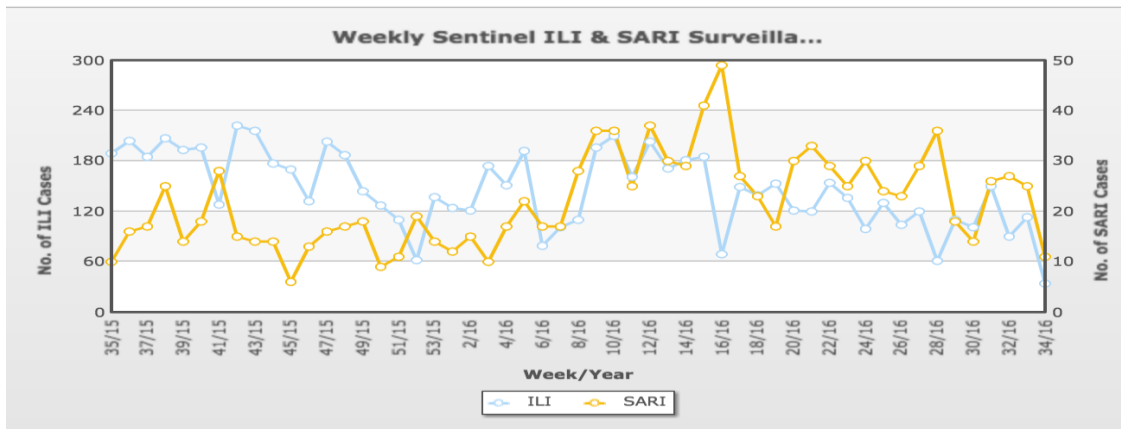


Figure 4: Average number of ILI and SARI cases reported until week 32 (Data source: Online weekly reporting from sentinel sites).

Table 1: Number of ILI/ SARI cases reported by sites

Sl. No.	Surveillance sites	ILI cases	No. of samples collected	SARI cases	No. of samples collected
	Mongar RRH	NA	0	5	5
	JDWNRH	NA	0	NR	0
	Paro Hospital	33	2	5	0
	Punakha Hospital	10	3	2	0
	Trongsa Hospital	NR	5	5	3
	Phuntsholing Hospital	NA	2	0	0
	Gelephu RRH	NA	3	2	2
	Trashigang Hospital	NR	0	0	0
	Tsirang Hospital	20	8	NR	1
	Samdrupjongkhar Hospital	26	1	0	0
	Samtse Hospital	1	0	8	5

Note: NR, Not Reported and NA, Not Applicable

### c) Age distribution

ILI cases were commonly observed in age group 15-29 followed by 2-4 years, and SARI cases among 0-1 year of age group. Laboratory positive influenza, however, was seen fairly distributed among all age groups (Table 2).

Table 2: Age categorization of influenza cases

Age (years)	Epidemiological data (%)		Laboratory confirmed	
	ILI cases (N=90)	SARI cases (N=27)	ILI cases (N=16)	SARI cases (N=3)
0 to 1	6	11	0	0
2 to 4	22	4	1	0
5 to 14	20	2	9	0
15 to 29	25	5	4	3
30 to 64	16	3	2	0
65+	1	2	0	0

**Note:** (Data is preliminary and may change as more reports are received)

### 3. Influenza outbreak & investigated

No outbreak was reported in this week.

### 4. Death due to SARI/ Pneumonia

No death reported

**Note:** Following Clinicians, Laboratory staff and other Hospital staffs are currently involved in ILI surveillance in their respective sites as listed below;

Sl. No.	Sentinel site	Name of Participants	Designation	Roles & Responsibility	Contact No.
1	Samtse	Dr Rigden	GDMO	Enroll ILI subject	17976143
2		Dil Maya	Sr Lab Technician	Sample collection	17697307
3		Ngawang Chogyal	OT Technician	Report the case	17687826
4	Phuntsholing	Nidup Tshomo	Staff Nurse	Enroll SARI subject	17507491
5		Som Kumar Namchu	Sr. Lab Technician	Sample collection	77743637
6		Dr. Thinly Pelzang	Medical superintendent	Enroll ILI subject	77459555
7	Punakha	Dr. Choni Wangmo	CMO	Enroll ILI subject	17939580
8		Sherub Thinley	Lab Technician	Sample collection	17654950
9		Dorji Tshering	ENT Technician	Report the case	17966702
10	Tsirang	Dr Tej Nath Nepal	Sr. Medical Officer	Enroll ILI subject	17618007
11		Yeshe Lhendup	Sr. Lab Technician	Sample collection	17643320
12		Tashi Tshering	MedicalRecord assistant	Report the case	17648169
13	Paro	Dr. Ugyen Wangdi	CMO	Enroll ILI subject	17701525
14		Karma Dorji	Sr. Lab Technician	Sample collection	17676359
15		Namgay Lham	Staff Nurse-I	Report the case	17741371
16	Mongar	Dr. Sangay	Medical Officer	Enroll ILI subject	17751637
17		Damcho	Sr Lab Technician	Sample collection	17708074
18		Gopal Sanyasi	Lab Technician	Sample collection	17373448
19	Trashigang	Dr. Palden Dorji	CMO	Enroll ILI subject	17827843
20		Nidup Zangmo	Lab Technician	Sample collection	17648033
21		Pema Zangpo	Ortho Technician	Report the case	17784843
22	Gelephu	Jigme Dukpa	Clinical Officer	Enroll ILI subject	17660030
23		Vishal Chetri	Lab Technologist	Sample collection	17422825
24		Bal Bdr Mongar	Lab Technician	Sample collection	17871974
26	Trongsa	Dr. Suresh Mothey	CMO	Enroll ILI subject	17946181
27		Tashi Norbu	Staff Nurse-III	Enroll ILI subject	17714987
28		Mon Bdr Pakhring	Lab Technician	Sample collection	17635595
29		Sangay Dorji	Staff Nurse	Report the case	17873597
30		Dr. Ugyen Wangdi	Medical Officer	Enroll ILI subject	1773-3500
31	S/Jongkhar	Karma Choden	Lab Technician	Sample collection	17376632
32		Nasema Rehima	Pharmacist Technician	Report the case	17656685

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