P U B L I C H E A L T H L A B O R A T O R Y

FLUVIEW PHL

A Weekly Influenza Surveillance Report Prepared by the Influenza Section

Influenza-like-illness (ILI) and Severe Acute Respiratory Infection (SARI) surveillance, Week 27 (29th Jun - 5th Jul, 2014)

Synopsis

The incidence of ILI and SARI for the week was 24/1000 outpatient visits and 4/100 hospitalized patients respectively. The highest incidence of ILI cases were reported from Phuntsholing Hospital and SARI from Gelephu Hospital. The ILI cases were commonly observed among age group 15-29 year while SARI cases were observed among 0-1 year age group. From **14** samples received and tested by Real-Time RT-PCR, positivity rate was **50%. Flu A/H3** and **Flu B** were found dominant circulating strain for the week.

1. Influenza Like-Illness (ILI) surveillance

Average ILI incidence in the sentinel sites for the week was 24 cases per 1000 outpatient visits which is similar to the previous week (Figure 1). The highest ILI incidence for the week among sentinel sites was observed in Phuntsholing Hospital (111 cases) followed by Gelephu Hospital (74 cases) respectively. Trashigang, Trongsa and Samdrup Jongkhar Hospital have not reported for the week (Figure 2).

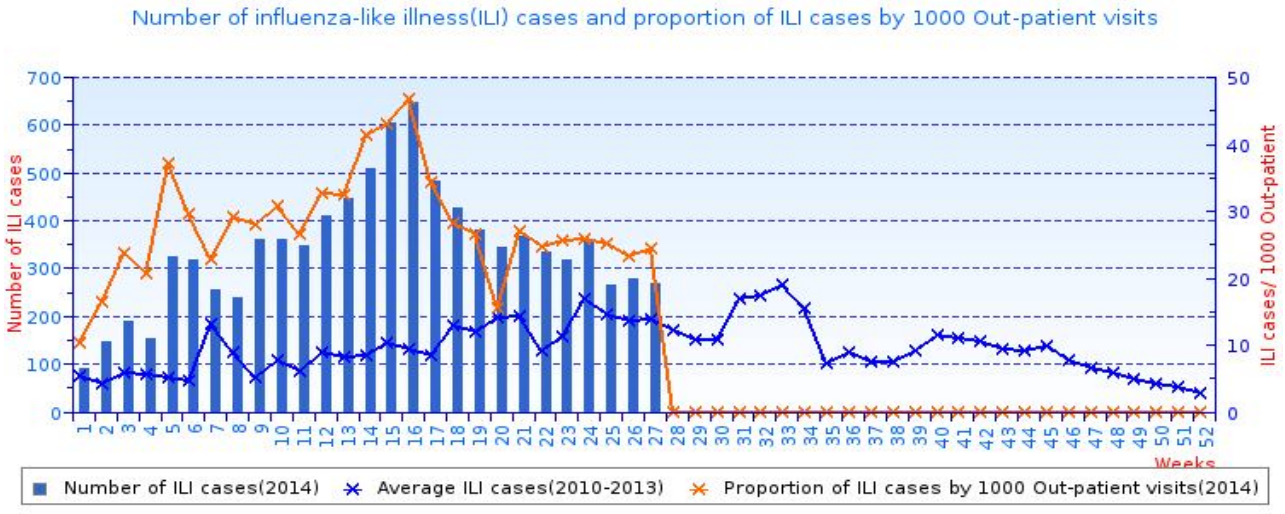

Figure 1: Average number of ILI cases reported for 27th week and previous weeks. (Data source**: Online** weekly reporting from sentinel sites).

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

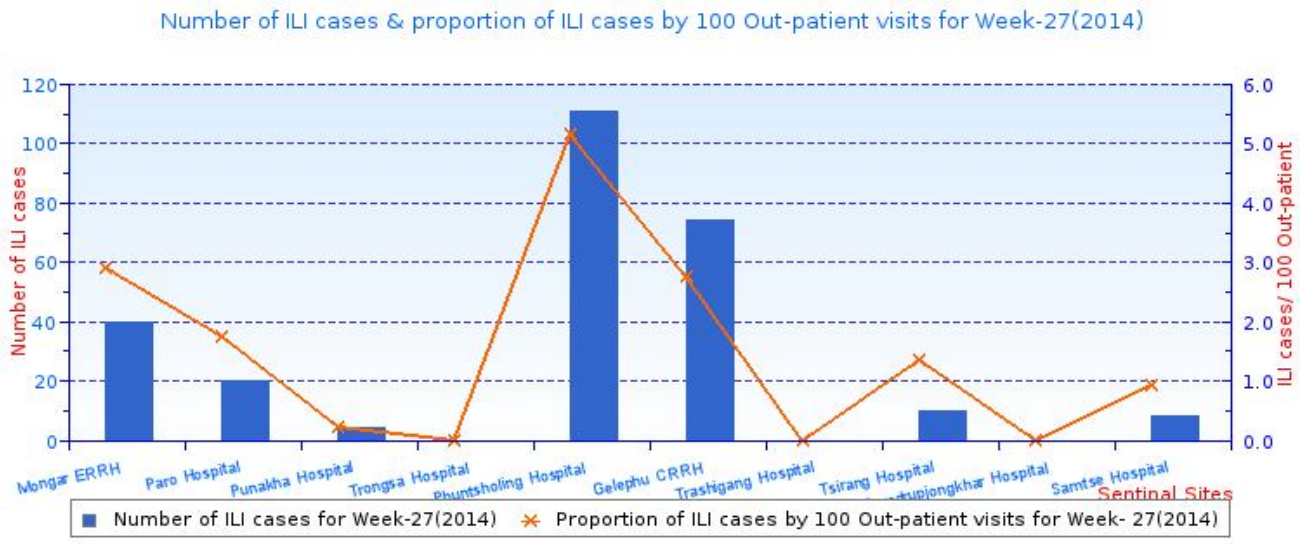

Figure 2: The number of ILI cases reported by sites (Data source**: Online** weekly reporting from sentinel sites).

2. Severe Acute Respiratory Infections (SARI) surveillance

Average SARI incidence in the sentinel sites for the week was 4 SARI cases per 100 hospitalized patients which is similar to the previous week (Figure 3). The highest SARI incidence for the week among sentinel sites was observed in Gelephu Hospital (6 SARI cases). Trashigang, Trongsa and Samdrup Jongkhar Hospital have not reported for the week (Figure 4).

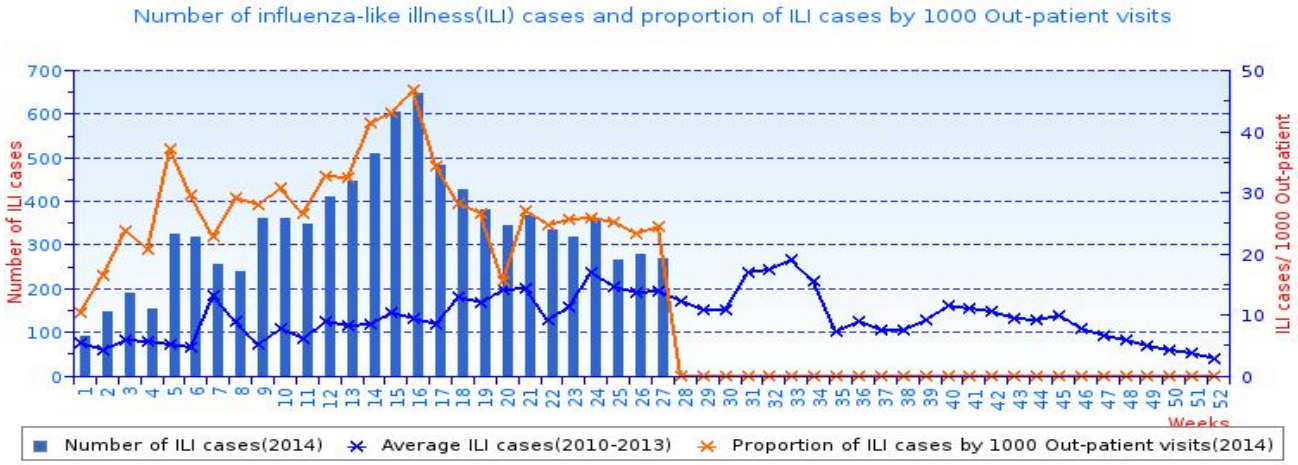

Figure 3: Average number of SARI cases reported for 27th week and previous weeks. (Data source**: Online** weekly reporting from sentinel sites).

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

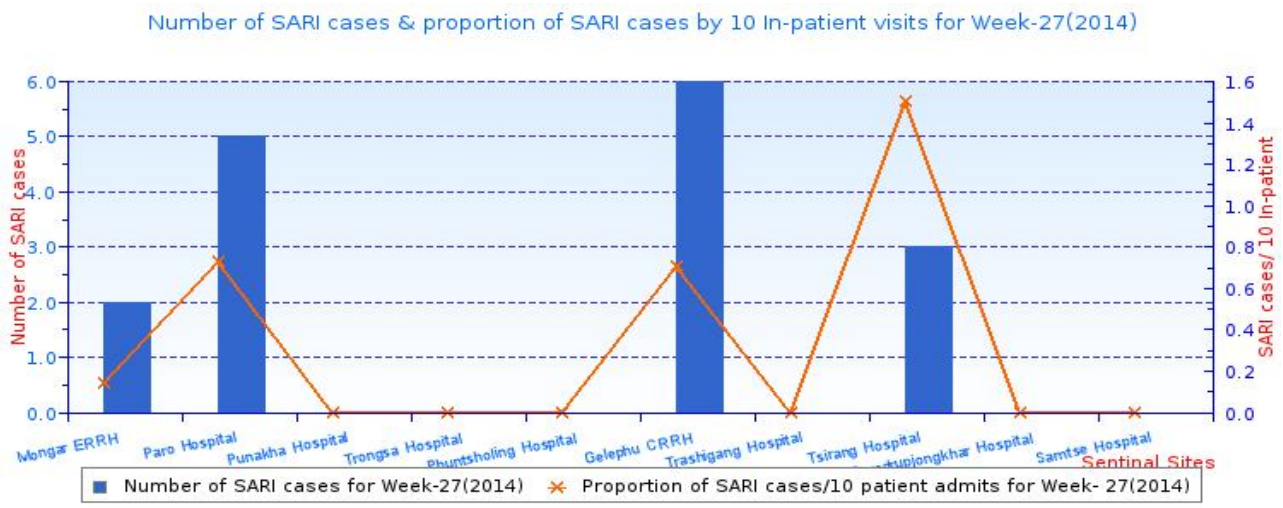

Figure 4: The number of SARI cases reported by sites (Data source**: Online** weekly report from sentinel sites).

3. Virological Surveillance

Of total 14 samples tested by RT-PCR, 7/14 (**50%**) were positive for Influenza viruses (Flu A/H3- 2 and Flu B- 5) however few sites have not collected samples. No SARI sample was received (Figure 5 & Table 1).

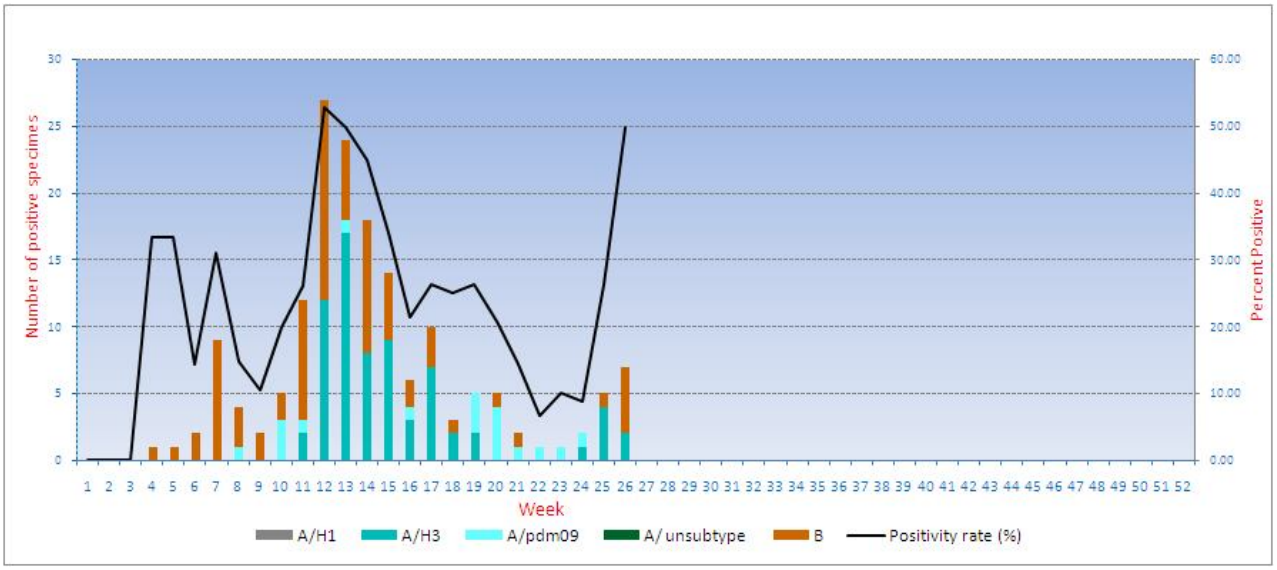

Figure 5: Trend of influenza virus subtype by week
(Note: *Virological surveillance data is for week 26***)**

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

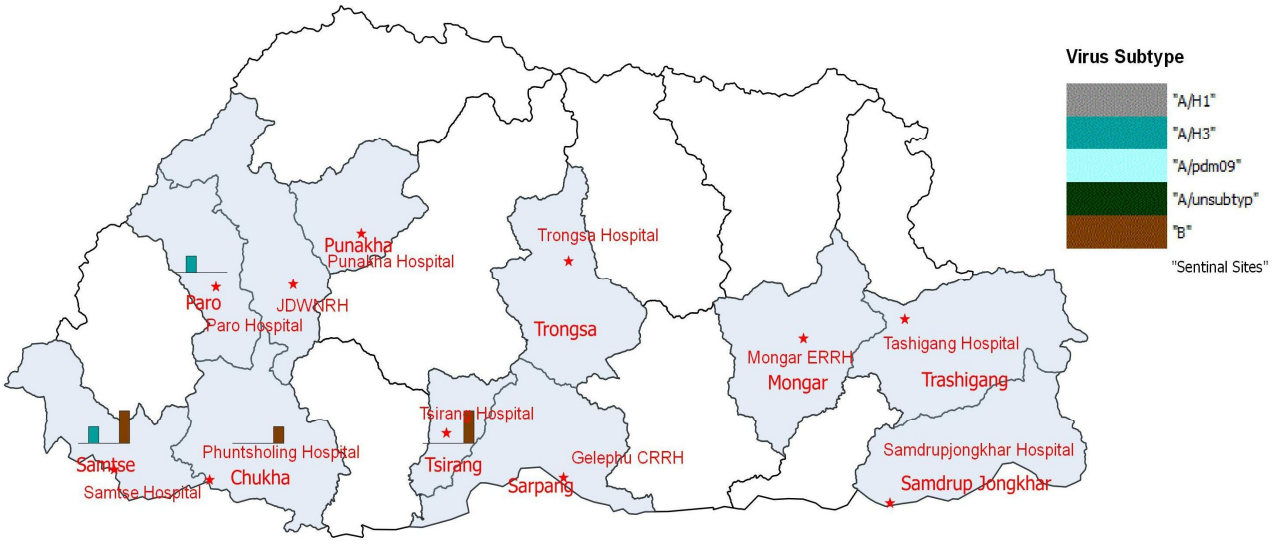

Figure 6: Influenza subtype virus by sentinel sites.

Table 1: ILI/SARI samples received from sentinel sites for the week 26 of 2014.

Sl. No	Surveillance sites	No. of samples received	Influenza virus type and subtype				
			A/H1	A/H3	A/pdm09	A/unsubtyped	B
1	Mongar RR Hospital	0					
2	JDWNRH, Thimphu	0					
3	Paro Hospital	4		1			
4	Punakha Hospital	0					
5	Trongsa Hospital	0					
6	Phuntsholing Hospital	1					1
7	Gelephu RR Hospital	0					
8	Trashigang Hospital	0					
9	Tsirang Hospital	2					2
10	S/Jongkhar Hospital	0					
11	Samtse hospital	7		1			2
	Total	14		2			5
	Note: Weekly sample target for the surveillance is minimum 50 samples (i.e. 4-5 samples per site weekly)						

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

4. Age Distribution among ILI and SARI cases

ILI and SARI cases were commonly observed in age group 15-29 and 0-1 years of age respectively (Table 2).

Table 2: ILI and SARI age categorization

Age (Years)	ILI		SARI	
	Number	Proportion (%)	Number	Proportion (%)
0-1	46	17.23	9	56.25
2-4	54	20.22	5	31.25
5-14	49	18.35	1	6.25
15-29	57	21.35	0	0.00
30-64	57	21.35	1	6.25
65+	4	1.50	0	0.00

5. Influenza Outbreak

No Flu outbreak was reported during the week.

6. Death due to SARI/Pneumonia

One death case aged 55 year/male was reported from Phuntsholing Hospital due to SARI/Pneumonia during the week. However, no sample was obtained from this case for influenza testing.