



**Influenza-like-illness (ILI) and Severe Acute Respiratory Infection (SARI) surveillance, Week 50 (7-13<sup>th</sup> Dec, 2014)**

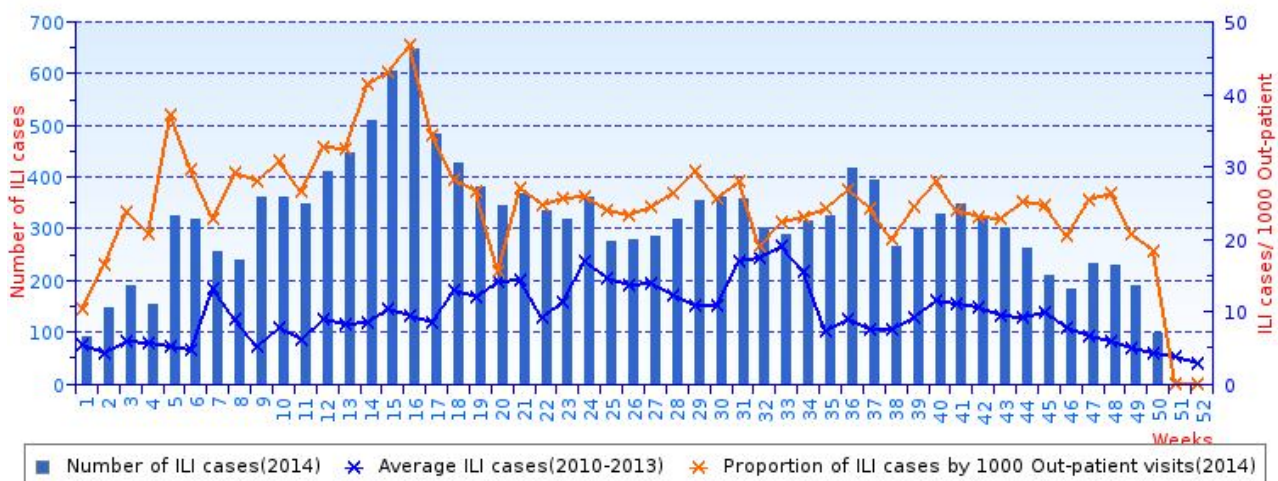
**Synopsis**

The incidence of ILI and SARI for the week was 18/1000 outpatient visits and 5/100 hospitalized patients respectively. The highest incidence of ILI and SARI cases were reported both from Phuntsholing and Mongar Hospital respectively. The ILI cases were commonly observed among age group 15-29 years while SARI cases were observed among 0-1 year age group. From 11 samples received and tested by Real-Time RT-PCR, positivity rate was 00.0%.

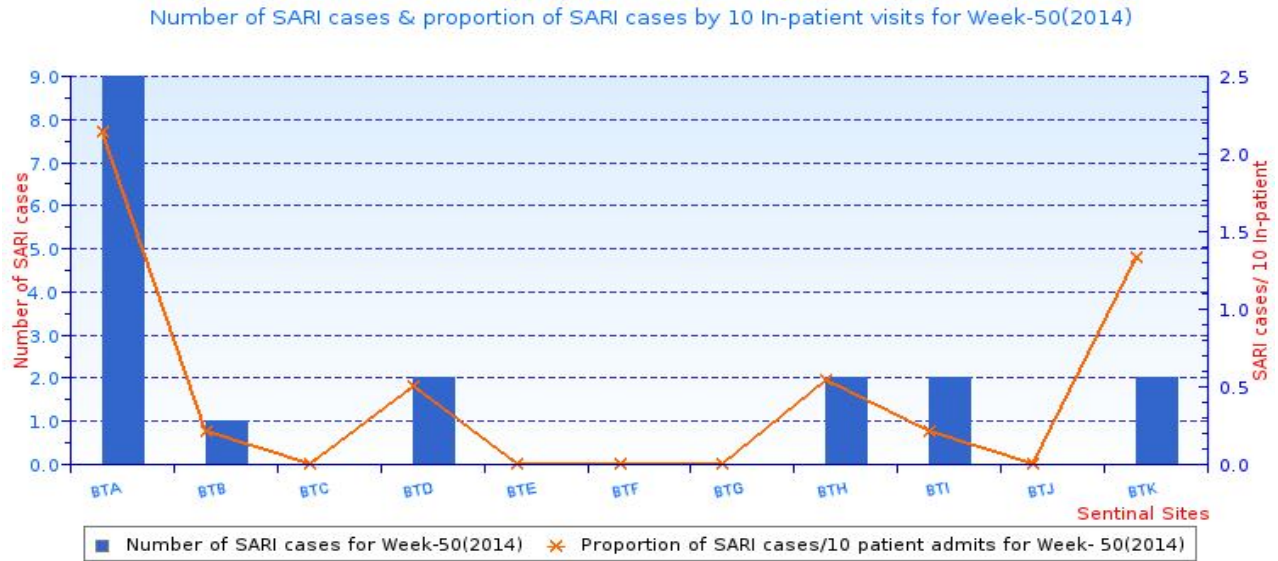
**Influenza Like-Illness (ILI) surveillance**

Average ILI incidence in the sentinel sites for the week was 18 cases per 1000 outpatient visits which is lower than the previous week (Figure 1). The highest ILI incidence for the week among sentinel sites was observed in Phuntsholing Hospital (52 cases) followed by Trongsa Hospital (17 cases). Mongar, Punakha, Gelephu and Trashigang Hospitals have not reported for the week (Figure 2).

Number of influenza-like illness(ILI) cases and proportion of ILI cases by 1000 Out-patient visits



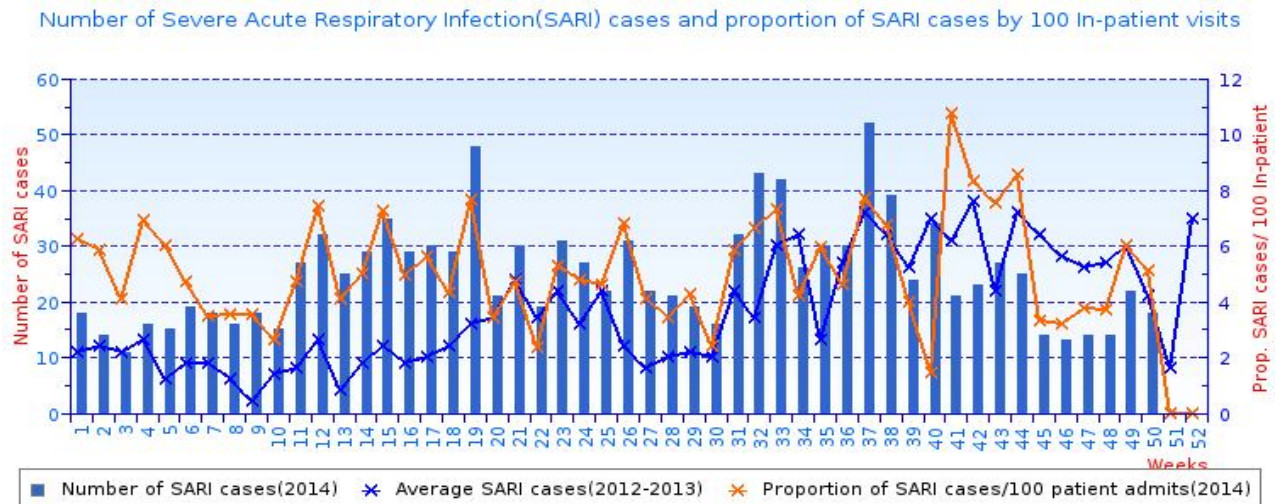
**Figure 1:** Average number of ILI cases reported for 50 week and previous weeks. (Data source: **Online** weekly reporting from sentinel sites.



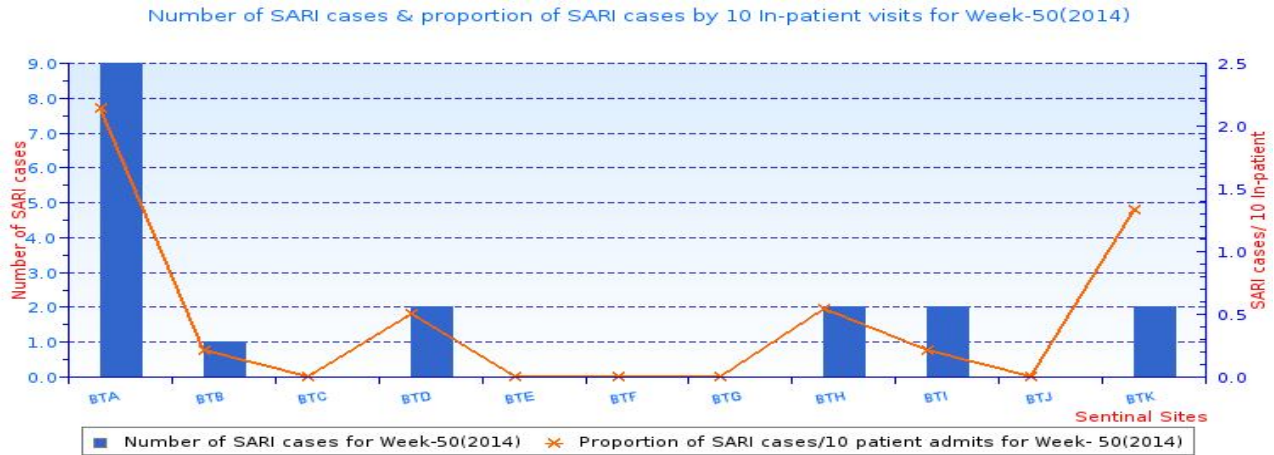
**Figure 2:** The number of ILI cases reported by sites (Data source: **Online** weekly reports from sentinel sites).

### 1. Severe Acute Respiratory Infections (SARI) surveillance

Average SARI incidence in the sentinel sites for the week was 5 SARI cases per 100 hospitalized patients which is lower than the previous week (Figure 3). The highest SARI incidence for the week among sentinel sites was observed in Mongar Hospital (9 SARI cases). Paro Hospital has not reported for the week (Figure 4).



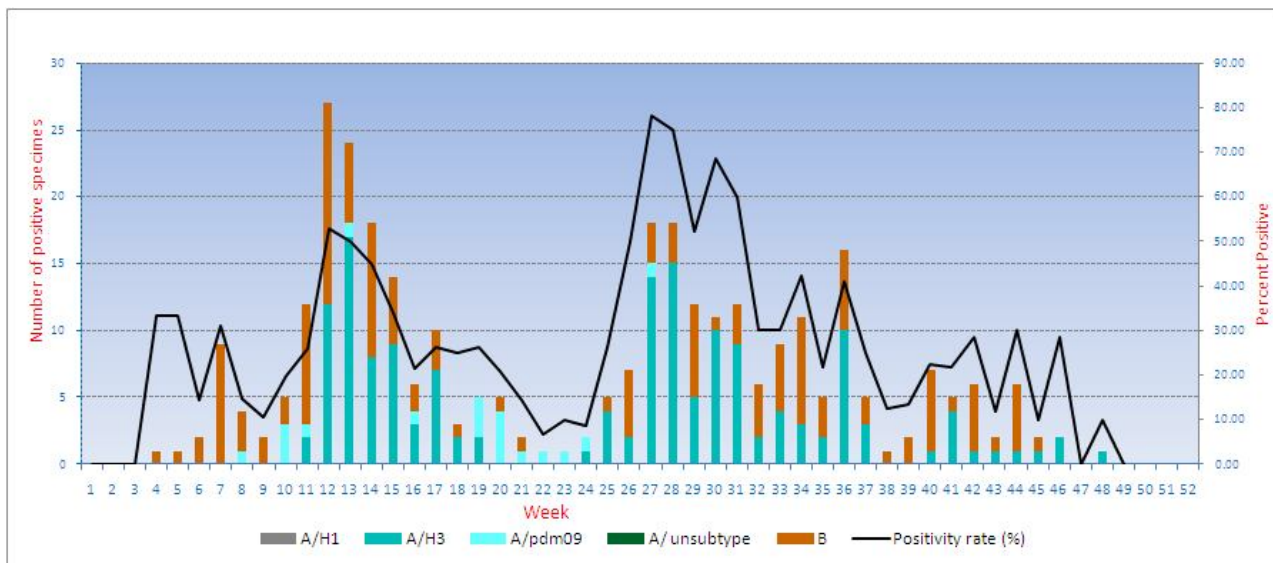
**Figure 3:** Average number of SARI cases reported for 50 week and previous weeks. (Data source: **Online** weekly reporting from sentinel sites).



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

### 3. Virological Surveillance

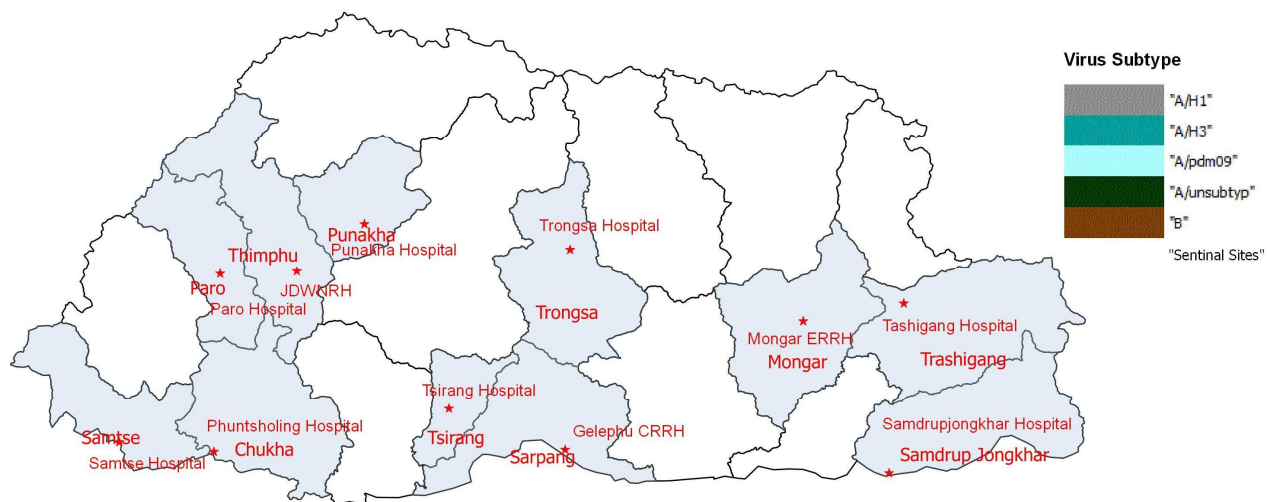
Of total **11 ILI** samples tested by RT-PCR, the positivity rate was **00.0%** for Influenza viruses (Flu B-0 and A/H3- 0); however most of the sites have not collected samples (Figure 5 & 6; Table 1).



**Figure 5:** Trend of influenza virus subtype by week, for the week 49, 2014

A total of **8 SARI** samples received, one sample was **positive** for human metapneumo virus (**hMPV**) and negative for Respiratory Syncytial Viruses (**RSV**) and Influenza virus A/B.

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



**Figure 6:** Influenza subtype virus by sentinel sites for week 49 (2014).

**Table 1:** ILI/SARI samples received from sentinel sites for the week 49 (2014).

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

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

#### 4. Age Distribution among ILI and SARI cases

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

**Table 2:** ILI and SARI age categorization

Age (Years)	ILI		SARI	
	Number	Proportion (%)	Number	Proportion (%)
0-1	9	9.28	9	50.0
2-4	14	14.43	5	27.78
5-14	24	24.74	3	16.67
15-29	35	36.08	1	5.56
30-64	13	13.40	0	0.00
65+	2	2.06	0	0.00

#### 5. Influenza Outbreak

No outbreak was reported during the week.

#### 6. Death due to SARI/Pneumonia

No death cases were reported during the week.

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

**Contact list for responsible persons involved for ILI Surveillance**

Sentinel Site	Physicians/Clinicians with contact No.	Laboratory staff	ILI/SARI case reporter
<b>A-MONGAR</b>	Dr Dinesh Pradhan, GDMO, trained, 17760178, dinesh.bhutan@gmail.com	Damchu, trained, 17708074, damchut87@yahoo.com	Damchu, trained, 17708074, damchut87@yahoo.com
<b>C- Paro</b>	1. Dr Thupten Palzang, GDMO, trained, 77201378, thuptenp@gmail.com	Karma Dorji, trained;17676359	Namgay Lhamo, trained, 17741371/77241174, nlham5@yahoo.com
	2. Om Nath, trained, 17625960, omnath50@yahoo.com	Sonam Wangchuk (not trained)	
	3. Dr.Chhabi Lal Adhikari, CMO, trained, 17701525		
<b>D- PUNAKHA</b>	1. Purna Bdr Thatal, HA, (trained; 17655977);	Sherab Thinley, trained, 17654950, shersthin@yahoo.com	Dorji Tshering, ENT, trained, 17966702, trained
	2. Sithar, HA, (trained)		
<b>E- TRONGSA</b>	Sonam Yangzom, ACO: 17610524, (trained) syangzom77@yahoo.com	Mon Bdr Tamanag, trained, 17635595;	Sonam Yangzom, ACO: 17610524, (trained) syangzom77@yahoo.com
<b>F- P/LING</b>	1.Dr Manish Gurung, CMO, trained; 17671522	1.Som Kumar Namchu (trained; 77743637)	Pema Lhaden, trained, ENT Tech, 17751060
		2.Tshewang Dorji (trained; 17614093)	
<b>G-GELEPHU</b>	No trained clinician available	1. Vishal Chetri (trained;17422825)	2. Bal Bdr Mongar, trained, 17871974
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<b>H- TRASHIGANG</b>	Dr Palden, CMO, contact no.: 1782-7843, email id: paaldhen@gmail.com	Cheki Dorji, 17699191 chekid.health@gmail.com	Pema Zangpo, contact no.: 1778-4843
<b>I-DAMPHU</b>	1. Dr Tejnath Nepal, CMO, 17618007, damphuhospital@gmail.com	1. Yangzom, 17553939	Tashi Tshering, trained ; 17648169, tashitsheringrecordgmail.com
		Tenzin, trained, 17382237	
<b>J- SAMDRUP JONGKHAR</b>	1. Dr Ugyen Wangdi (not trained), 1773-3500, email id: ugyensj@gmail.com	1. Sangay Wangchuk (not trained), 1740-5306,	Nasem Rehiman Chetri, trained, 17656685
	2. Sherub, ACO, trained, 17689422, sherub@gmail.com	1. Sangay Jamtsho, trained, 17496200	
<b>K- SAMTSE</b>	Dr Thinley Dorji, GDMO, trained, 16925946, thinley7dorji@yahoo.com	Dil Maya Rai, trained, 17697307, dilmaya43@yahoo.com	Ngawang Chogyal,OT, trained, 17687826, ngchogyal@yahoo.com
<b>B-JDWRH</b>	Ugyen Lhendup, ACO, trained	N/A	N/A

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