



# Weekly Flu View

## Royal Centre for Disease Control



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### Influenza Surveillance, Week 28 (9<sup>th</sup> – 15<sup>th</sup> July) 2018

#### Summary Report

The predominant seasonal Influenza strain circulated in the week was Influenza B/Yamagata. The overall incidence of Influenza-Like-Illness (ILI) and Severe Acute Respiratory Infection (SARI) were 14/1000 outpatient visits and 6/100 hospitalized patients respectively. The most laboratory-confirmed affected age group belonged to 5-14 years age group (Figure 1).

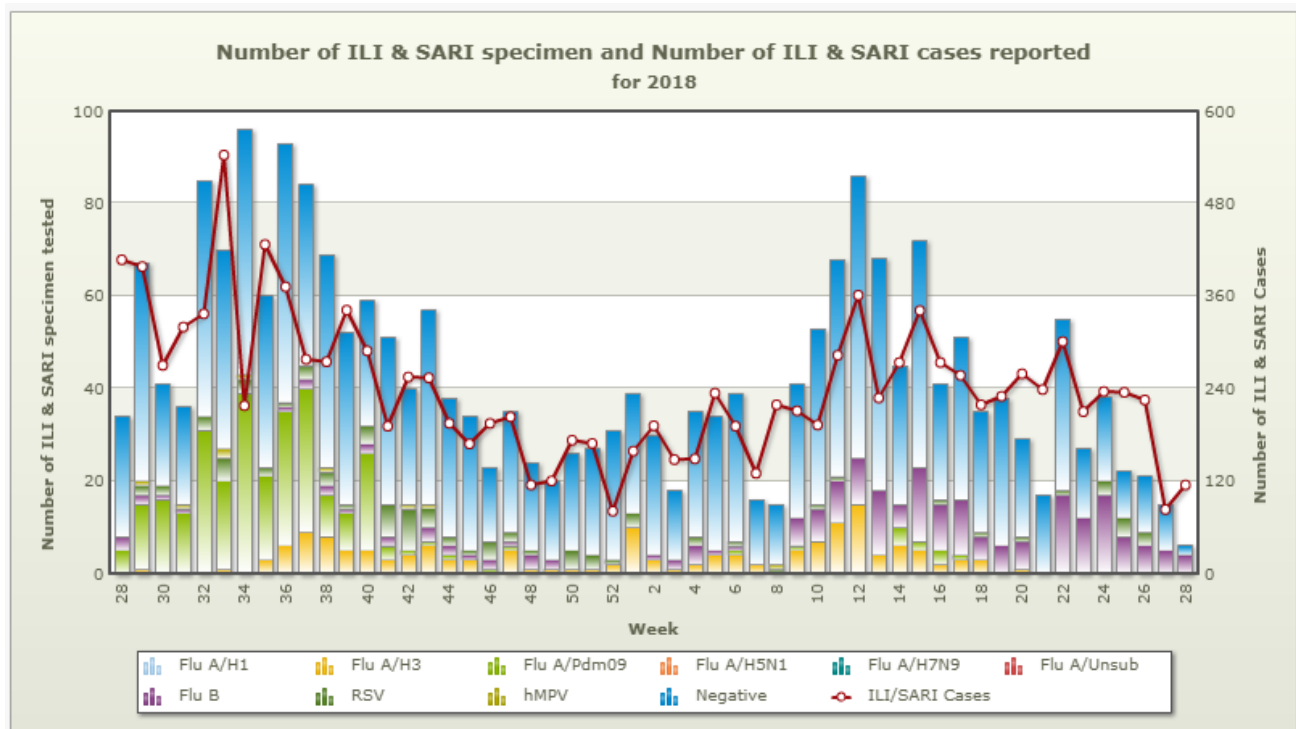


Figure 1 ILI and SARI cases and influenza virus subtypes

#### 1. Epidemiological Surveillance

##### 1.1 Influenza-Like Illness (ILI) and Severe Acute Respiratory Illness (SARI) cases

ILI incidence in the sentinel sites was 14/1000 outpatients, which has remained steady from the previous week. Paro Hospital has reported the highest ILI cases (57 cases) (Figure 2). SARI incidence in the

sentinel sites was 6 per 100 admitted cases, which has substantially increased from the previous week. JDWNR Hospital has reported the highest SARI cases (5 cases).

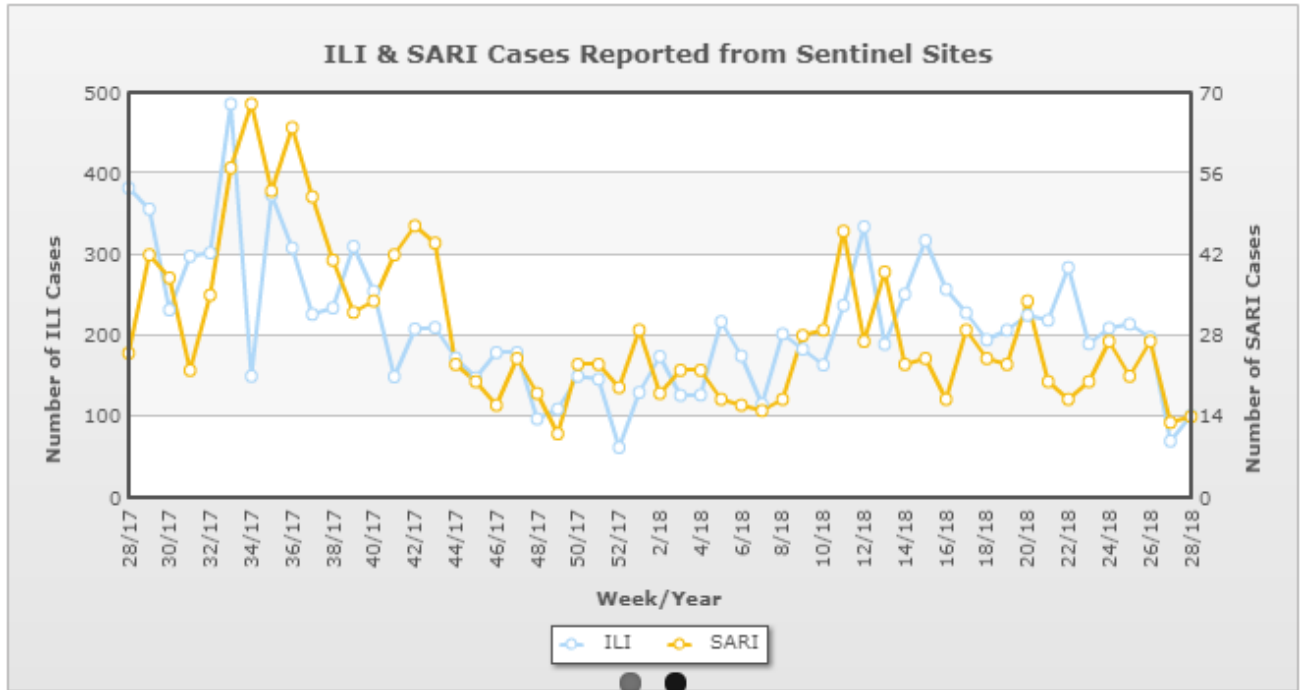


Figure 2 Trend in ILI and SARI cases until week 28, 2018 from past year's week

### 1.2 Influenza-Like Illness (ILI) and Severe Acute Respiratory Illness (SARI) affected age group

Maximum ILI cases were observed among 15-29 years age group, while maximum SARI cases were observed among 0 – 1 years age group (Figure 3).

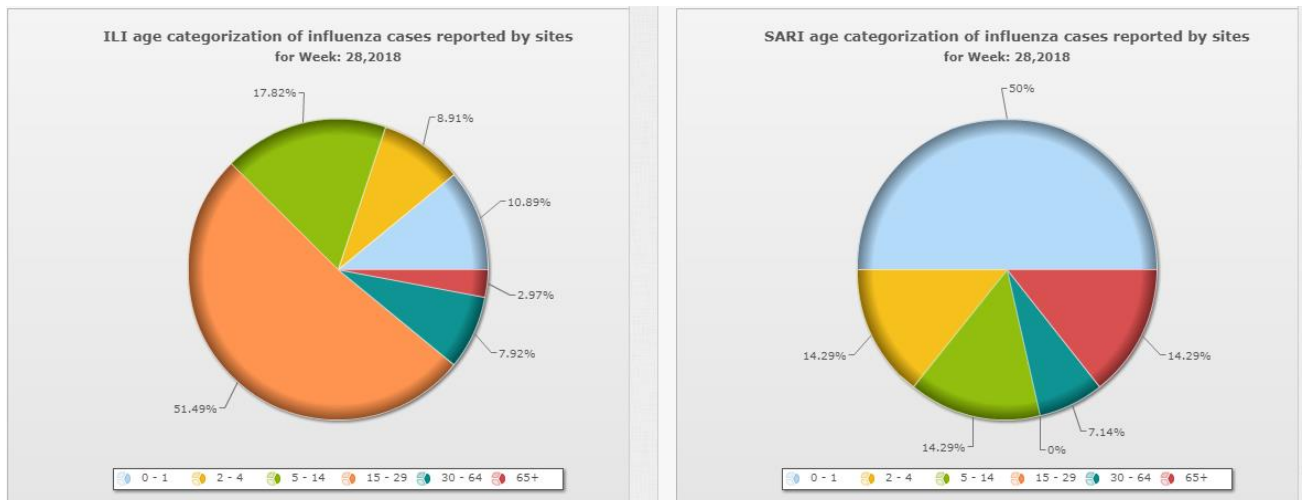


Figure 3 ILI and SARI cases by age groups

### 1.3 Influenza-Like Illness (ILI) and Severe Acute Respiratory Illness (SARI) case distribution by places

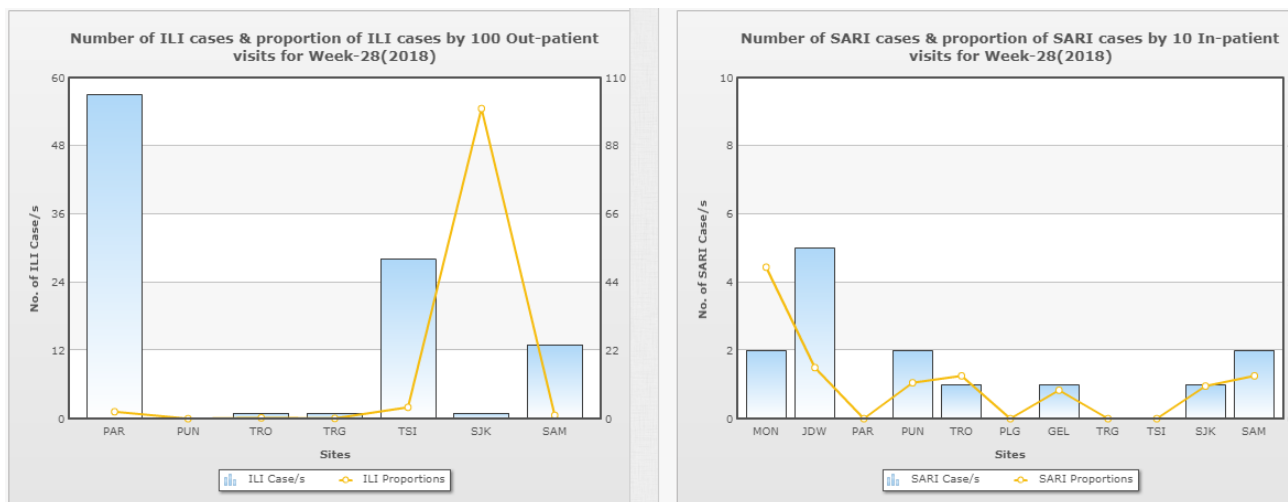


Figure 4 ILI and SARI cases distribution

## 2. Virology Surveillance

### 2.1 Influenza virus and other respiratory viruses among ILI and SARI cases

A total of six ILI samples were received for testing influenza by Real Time RT PCR. Influenza B/Yamagata was predominantly detected among those samples (Figure 5).

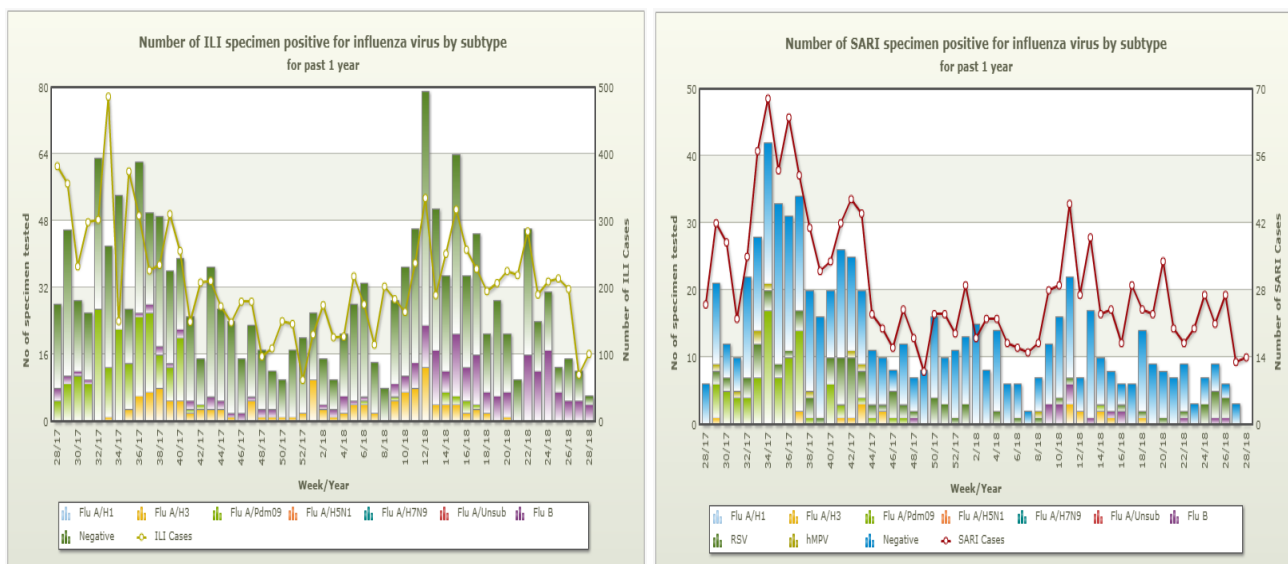


Figure 5 ILI and SARI cases and influenza virus subtypes

## 2.2 Influenza virus and other respiratory viruses positive ILI and SARI cases by age group

Influenza B/Yamagata was detected in age group 5 – 14, 15 - 29 and 30 – 64 years among ILI cases (Figure 6).

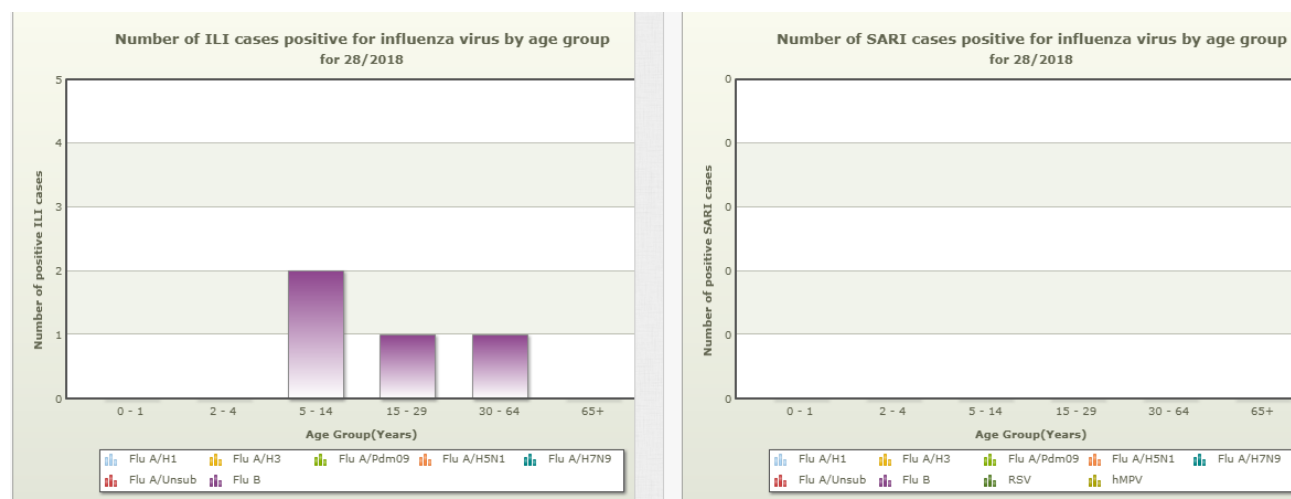


Figure 6 Age distribution by influenza and other respiratory virus positivity

### 3. Influenza Outbreak

No influenza outbreak was reported.

### 4. Reporting status by sentinel sites

Table 1 Reporting and sample collection by sentinel sites

Surveillance sites	ILI Cases	No. of Samples Collected	SARI Cases	No. of Samples Collected
Eastern Regional Referral Hospital, Mongar	NA	0	2	2
Jigme Dorji Wangchuk National Referral Hospital	NA	0	5	1
Paro Hospital	57	2	NR	0
Punakha Hospital	0	0	2	0
Trongsa Hospital	1	0	1	0
Phuentsholing Hospital	NA	0	NR	0
Central Regional Referral Hospital, Gelephu	NA	0	1	0
Trashigang Hospital	1	0	NR	0
Damphu Hospital	28	4	NR	0
Samdrup Jongkhar Hospital	1	1	1	0
Samtse Hospital	13	2	2	0