



# Weekly Flu View

## Royal Centre for Disease Control



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### Influenza Surveillance, Week 24 (11<sup>th</sup> – 17<sup>th</sup> June) 2018

#### Summary Report

The predominant seasonal Influenza strain circulated in this week was Influenza B/Yamagata. The overall incidence of Influenza-like-illness (ILI) and Severe Acute Respiratory Infection (SARI) were 35/1000 outpatient visits and 8/100 hospitalized patients respectively. The most laboratory-confirmed affected age group belonged to 5-14 and 15-29 years age group (Figure 1).

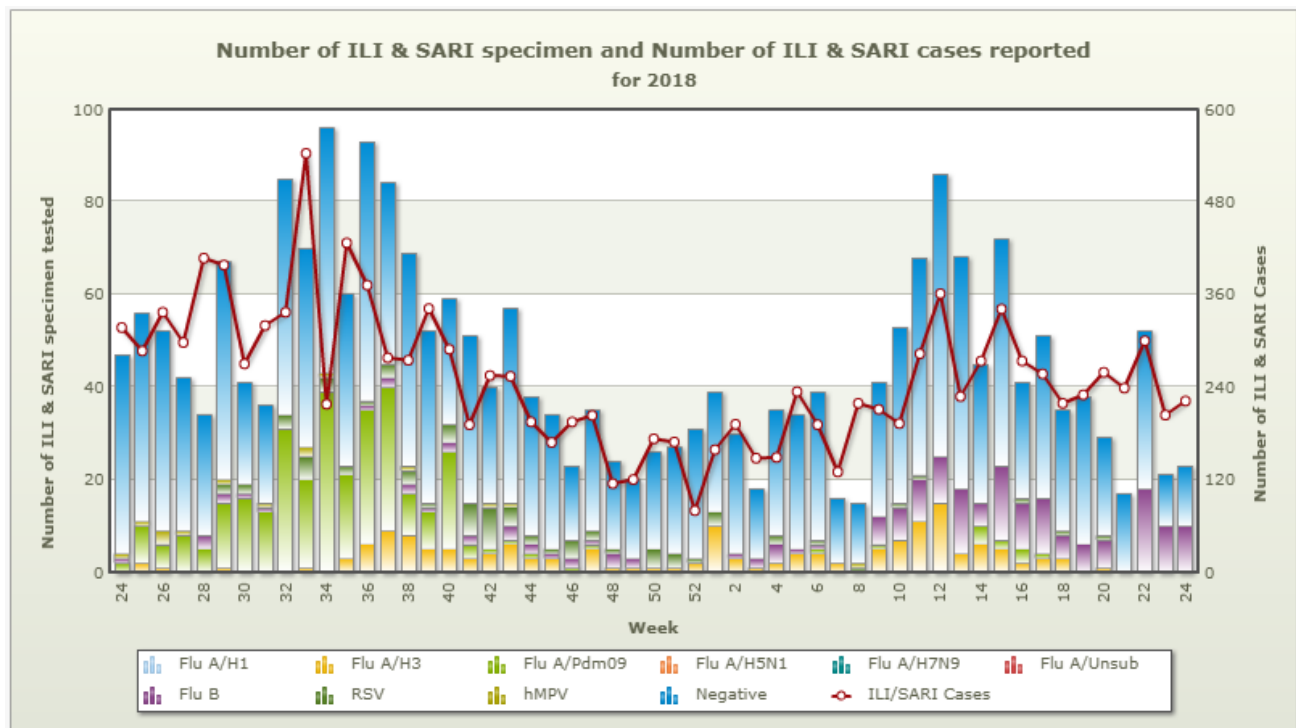


Figure 1 ILI and SARI cases and influenza virus subtypes

#### 1. Epidemiology Surveillance

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

ILI incidence in the sentinel sites was 35/1000 outpatients, which has increased by nearly 13% from the previous week. Damphu Hospital has reported the highest ILI cases (77 cases) followed by Paro Hospital (68 cases) (Figure 2). SARI incidence in the sentinel sites was 8 cases per 100 admitted cases, which has

also slightly increased from the previous week. Damphu and Punakha hospital has reported the highest SARI cases (7 cases each).

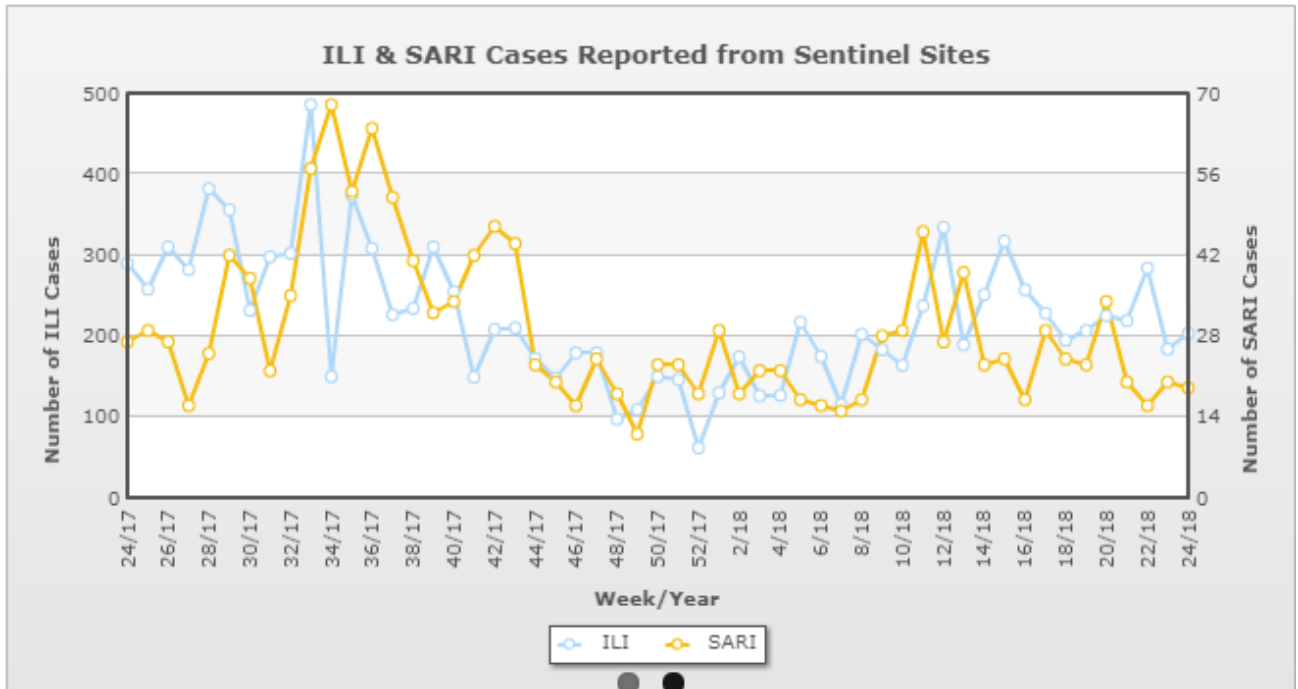


Figure 2 Trend in ILI and SARI cases until week 24, 2018 from past year's week

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

Maximum ILI cases were observed among 5-14 years followed by 15-29 years age group, while maximum SARI cases were observed among 0 – 1 years age group (Figure 3).

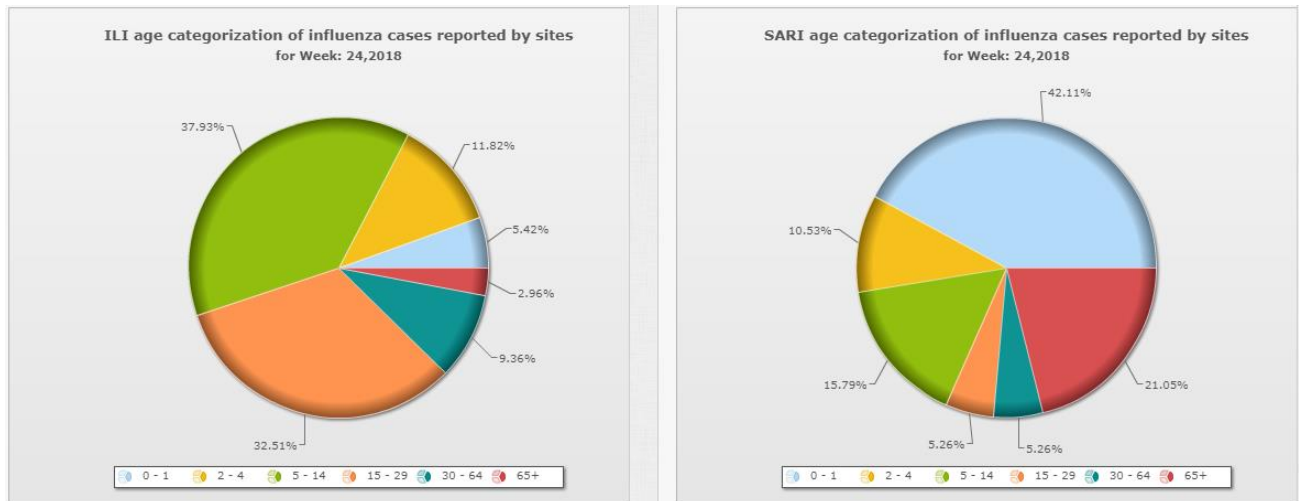


Figure 3 ILI and SARI cases by age groups

### 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 23 respiratory samples (ILI=21 & SARI=2) were received for testing influenza by Real Time RT PCR. Influenza B/Yamagata was predominantly detected among ILI cases. SARI cases were all negative for influenza viruses (Figure 5).

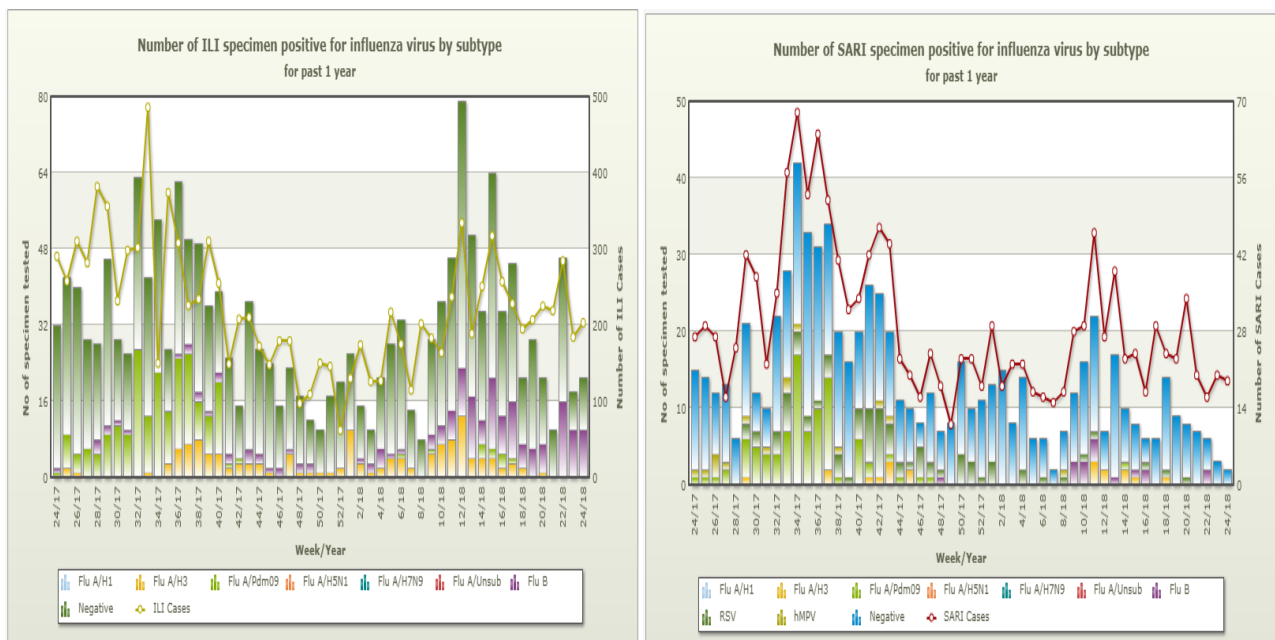
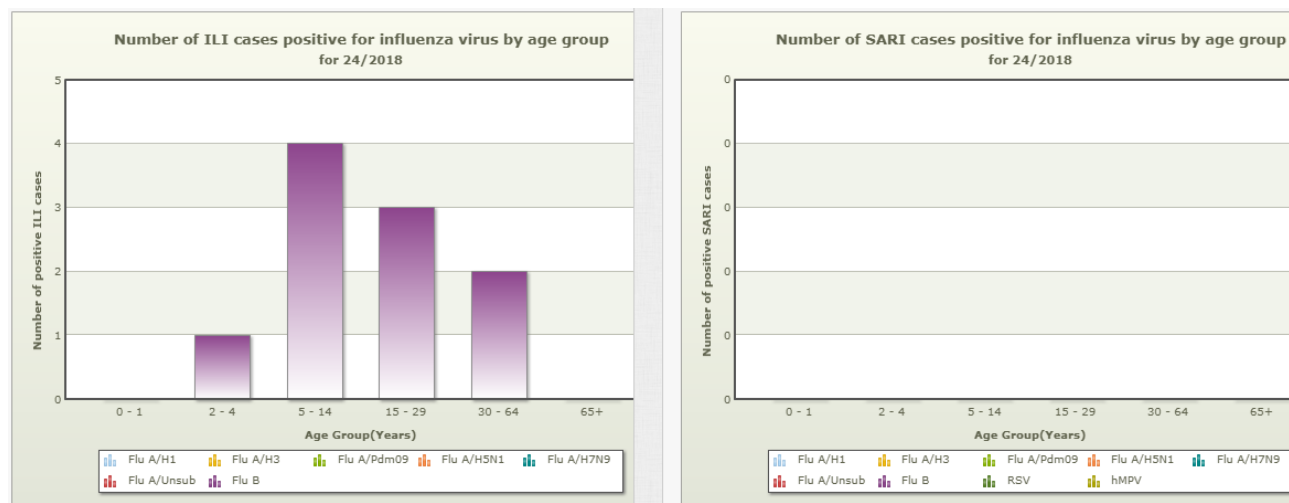


Figure 5 ILI and SARI cases and influenza virus subtypes

## 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 years and 15-29 years among ILI cases (Figure 6).



**Figure 6** Age distribution by influenza and other respiratory virus positivity

### 3. Influenza Outbreak

No outbreak 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	3	0
Jigme Dorji Wangchuk National Referral Hospital, Thimphu	NA	0	0	0
Paro Hospital	68	4	NR	0
Punakha Hospital	NR	0	7	0
Trongsa Hospital	2	0	1	1
Phuentsholing Hospital	NA	0	0	0
Central Regional Referral Hospital, Gelephu	NA	0	0	0
Trashigang Hospital	1	0	NR	0
Damphu Hospital	77	8	7	0
Samdrup Jongkhar Hospital	NR	0	0	0
Samtse Hospital	55	9	1	1