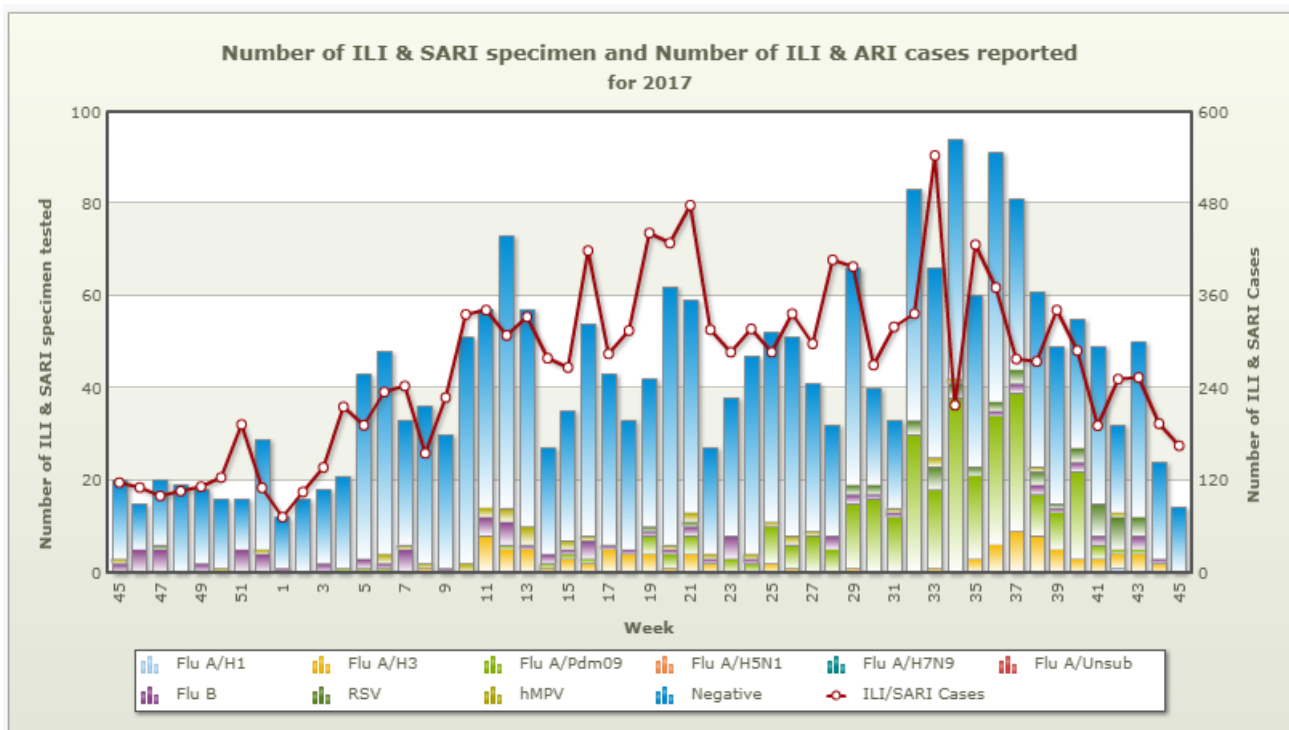


### Summary Report

The predominant seasonal Influenza strain circulated in this week was Influenza A/H3. However; over all incidence of Influenza-like-illness (ILI) and Severe Acute Respiratory Infection (SARI) were 38/ 1000 outpatient visits and 13/ 100 hospitalized patients respectively. The most affected age groups were 0-1, 5-14 and 30-64 years.



**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 for the week was 38 cases per 1000 outpatient visits, which has increased slightly compared to the previous week. Damphu Hospital has reported the highest ILI cases (72 cases) for the week (Figure 4). SARI incidence in the sentinel sites for the week was 13 cases per 100 admitted cases, which is similar compared to the previous week. JDWNR Hospital, Thimphu has reported highest cases (12) of SARI.



# FluView

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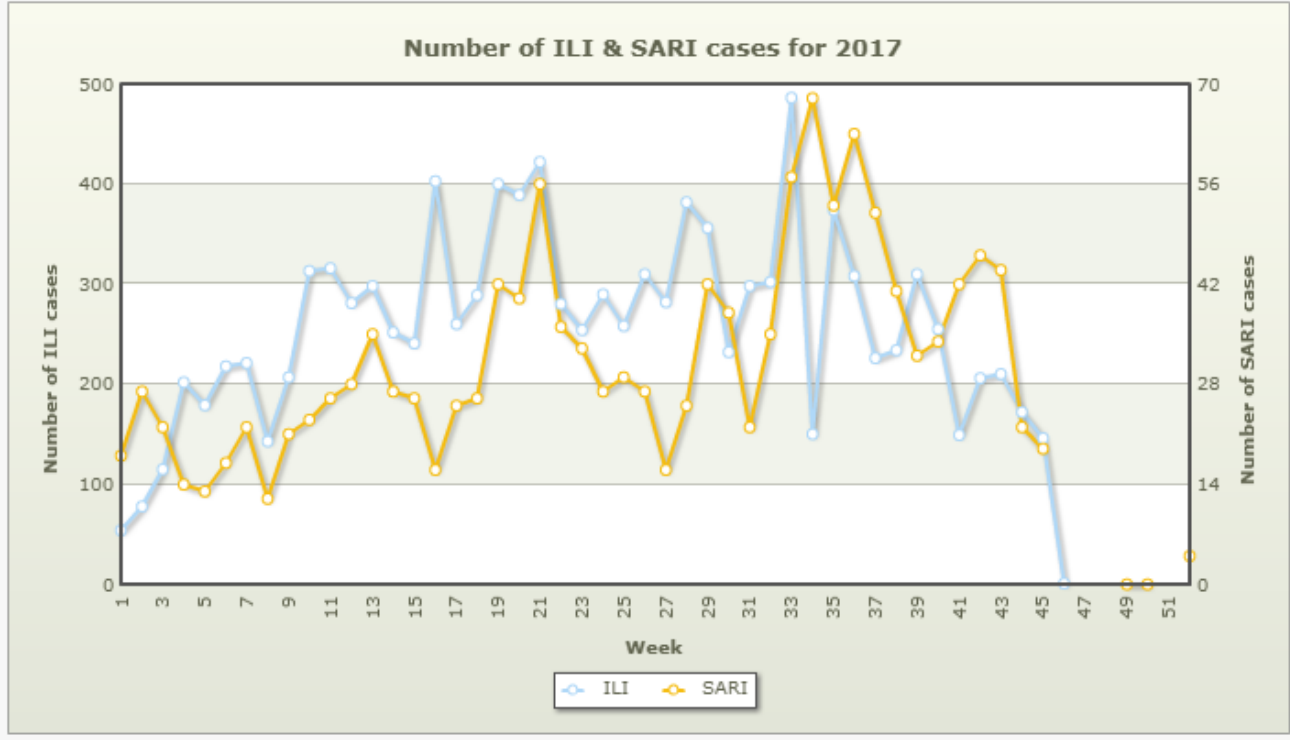


Figure 2: Trend in ILI and SARI cases until week 43

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

ILI cases were commonly observed in age group 15-29 years, while SARI cases were commonly seen in 0-1 year (Figure 3)

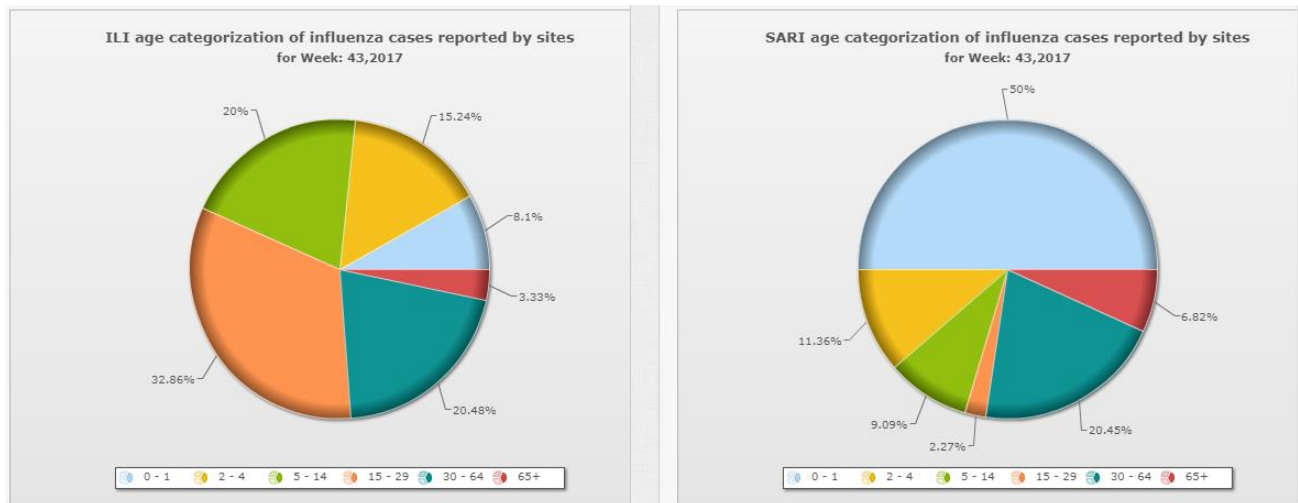


Figure 3: ILI and SARI cases by age groups

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

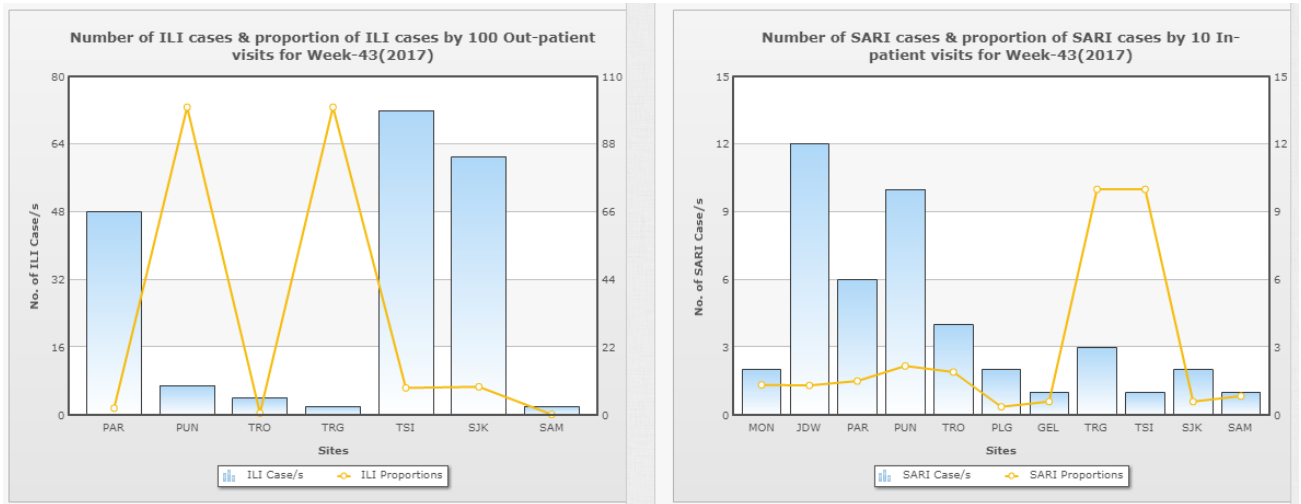


Figure 4: ILI and SARI cases distribution

## 2. Virology Surveillance

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

Out of fifty respiratory specimens (ILI=35 & SARI = 15) received and tested for influenza viruses by Real Time RT PCR, Influenza A/H3 was predominantly detected (Figure 1 & 2). The predominant subtypes were found to have circulated in Central and West regions (Figure 5).

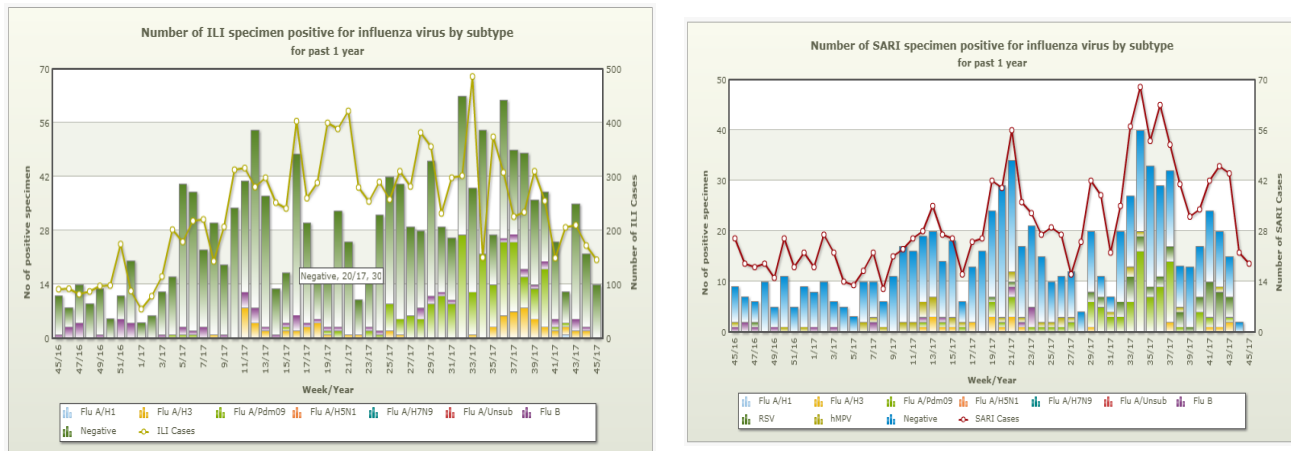


Figure 5: ILI and SARI cases and influenza virus subtypes

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

The Influenza virus A/H3 was detected in age group 5-14 and 15-29 years while Influenza B/Victoria was detected in 5-14 and 30-64 years among ILI cases. In contrary, RSV was commonly detected in age group 0-1 years followed by Influenza virus A/pdm 09, and Influenza H3 in 5-14 years old among SARI cases (Figure 6).

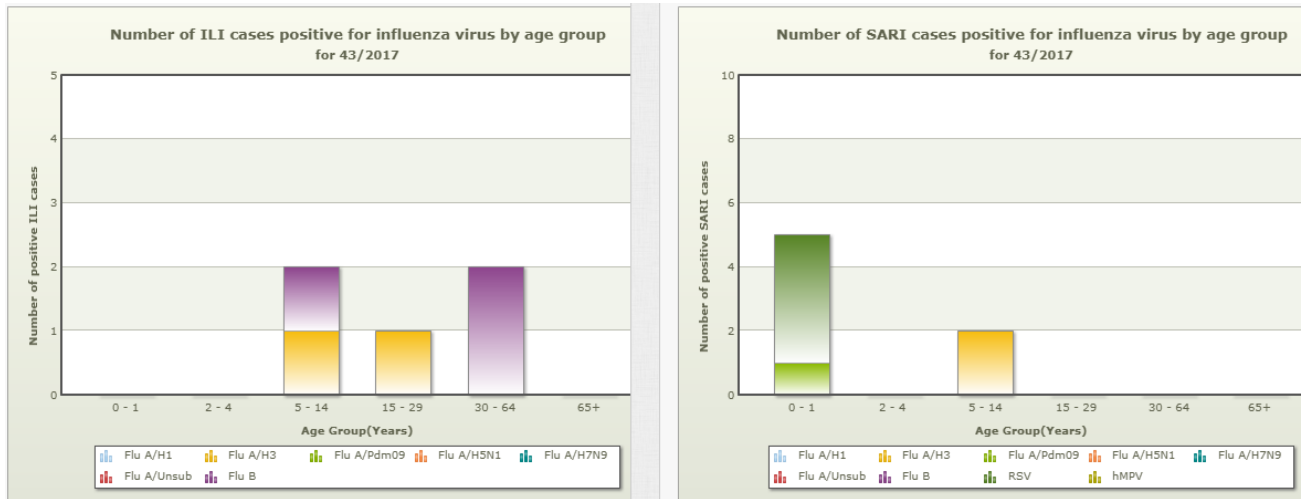


Figure 6: Age distribution by influenza and other respiratory virus positivity

### 2.3 Influenza virus subtypes distribution by places

Influenza A/H3 circulated in all the regions while Influenza B co-circulated with Influenza A/H3 in West and Central regions.

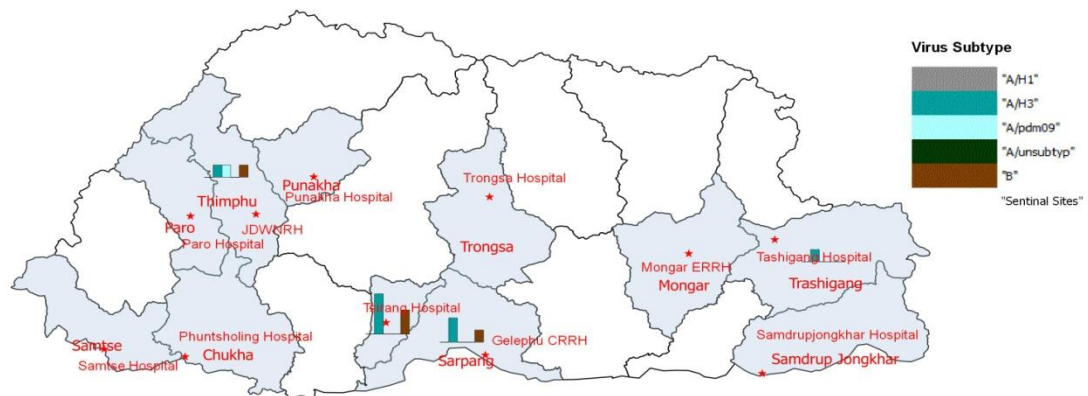


Figure 7: Distribution of Influenza virus subtypes



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### 3. Influenza Outbreak

No outbreak reported for the week

### 4. Reporting status by sentinel sites

**Table 1:** Reporting and sample collection by sentinel sites

Number of ILI/SARI cases reported and sample collected by sites for Week:43,2017				
Surveillance sites	ILI Cases	No. of Samples Collected	SARI Cases	No. of Samples Collected
Eastern Regional Referral Hospital, Monggar	NA	0	2	2
Jigme Dorji Wangchuk National Referral Hospital	NA	4	12	10
Paro Hospital	48	0	6	0
Punakha Hospital	7	7	10	0
Trongsa Hospital	4	4	4	3
Phuentsholing Hospital	NA	0	2	0
Central Regional Referral Hospital, Gelephu	NA	8	1	1
Trashigang Hospital	2	2	3	3
Damphu Hospital	72	3	1	1
Samdrup Jongkhar Hospital	61	7	2	0
Samtse Hospital	2	2	1	0