



Weekly Flu View

Royal Centre for Disease Control



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Influenza Surveillance, Week 22 (28th May – 3rd 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 37/1000 outpatient visits and 5/100 hospitalized patients respectively. The most laboratory-confirmed affected age group belonged to 5-14 and 15-29 years age group (Figure 1).

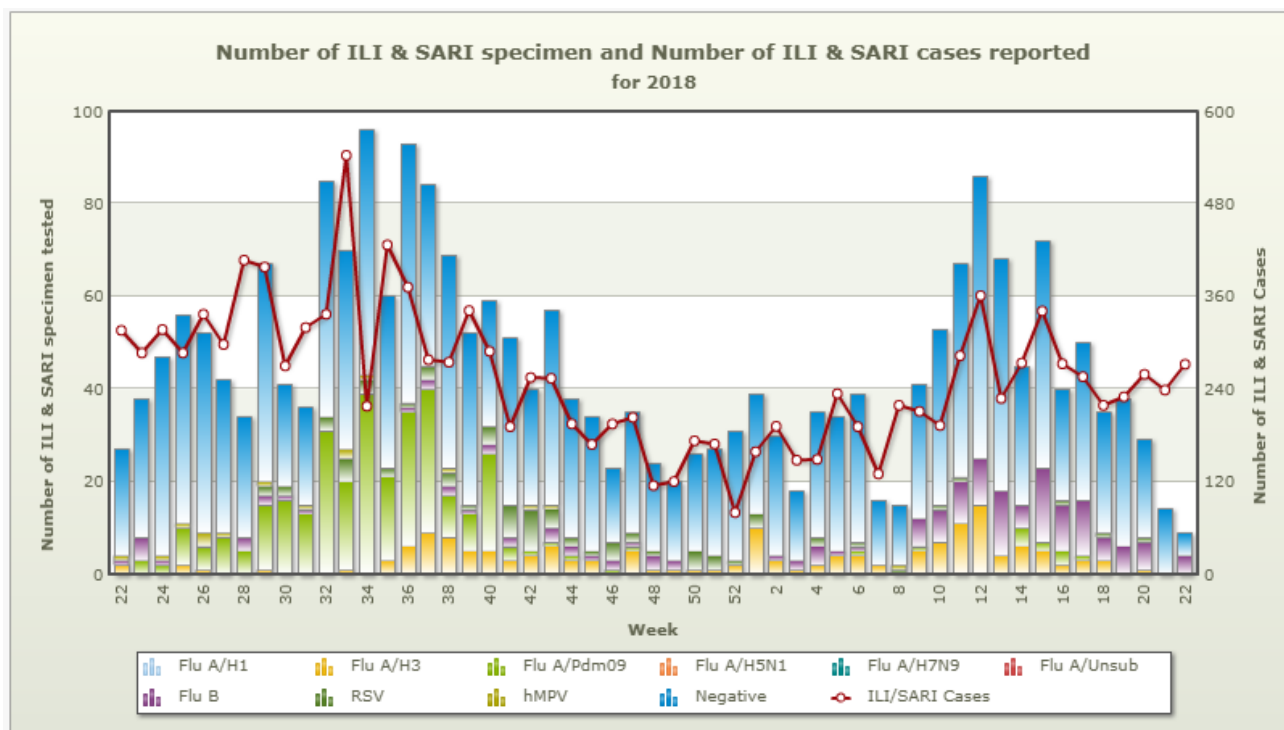


Figure 1 ILI and SARI cases and influenza virus subtypes

1. Epidemiology Surveillance

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

ILI incidence in the sentinel sites was 37/1000 outpatients, which was similar to previous week. Paro Hospital has reported the highest ILI cases (99 cases) followed by Samtse Hospital (92 cases) (Figure 2).

SARI incidence in the sentinel sites was 5 cases per 100 admitted cases, a slight decrease from the past week. Mongar Regional Referral Hospital has reported the highest SARI cases (5 cases).

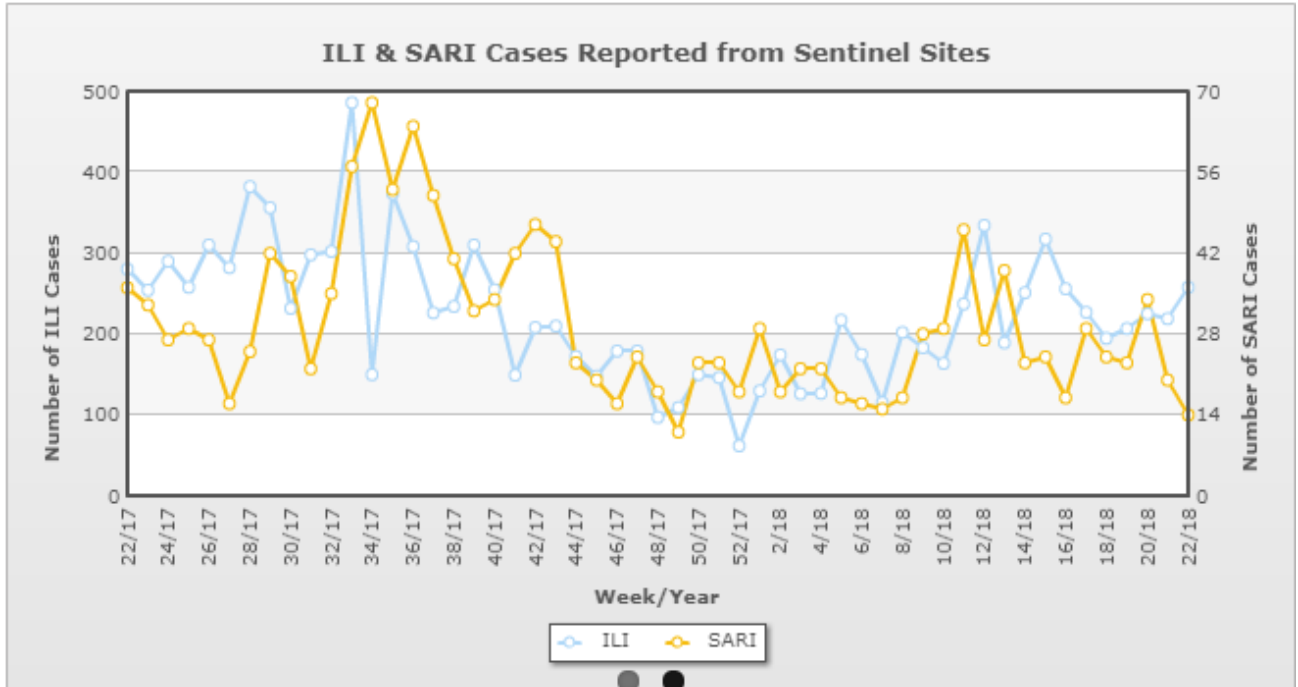


Figure 2 Trend in ILI and SARI cases until week 22, 2018 from past year's week

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).

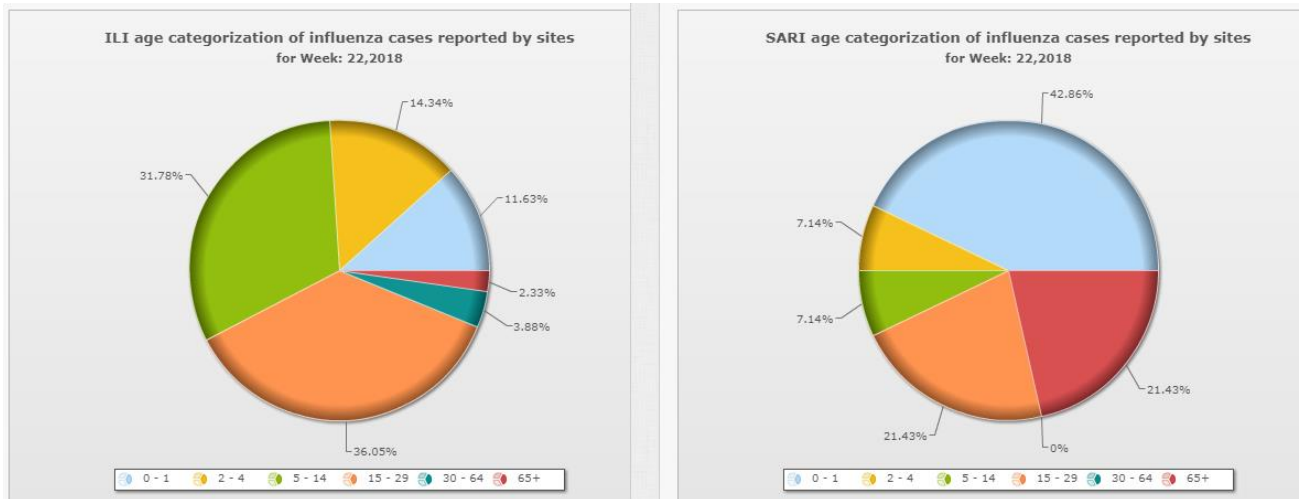


Figure 3 ILI and SARI cases by age groups

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

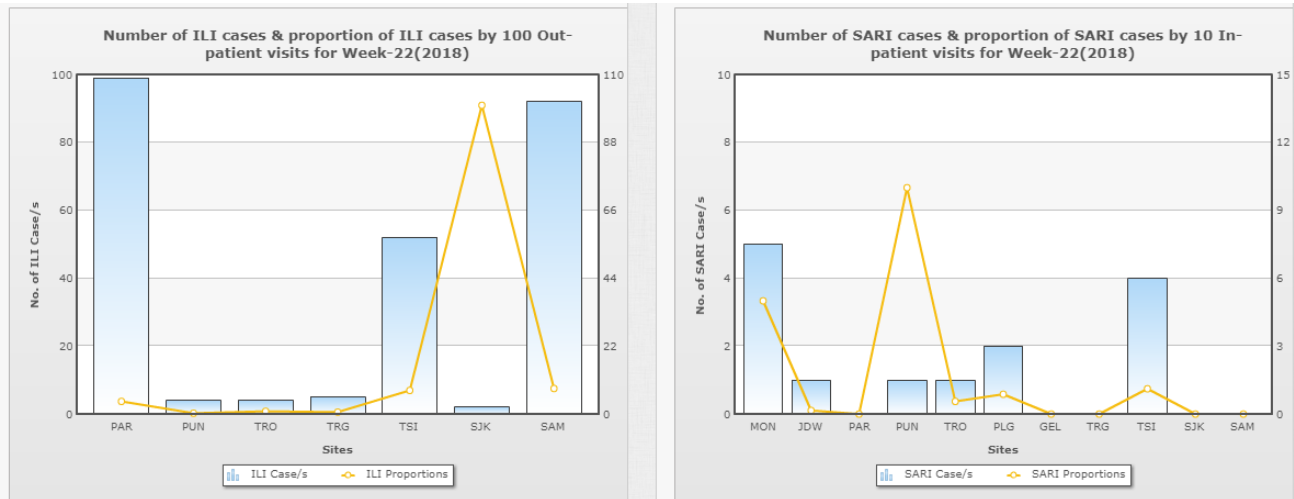


Figure 4 ILI and SARI cases distribution

2. Virology Surveillance

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

A total of 9 respiratory samples (ILI=8 & SARI=1) were received for testing influenza by Real Time RT PCR. Influenza B/Yamagata were predominantly detected among ILI cases. SARI cases were all negative for influenza viruses (Figure 5).

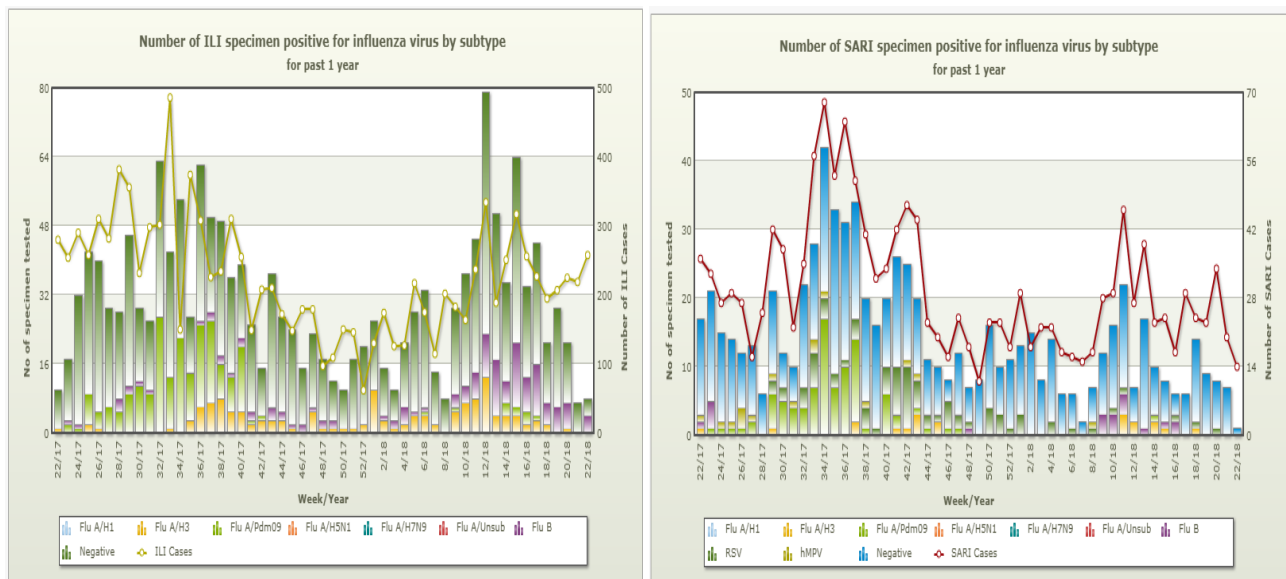


Figure 5 ILI and SARI cases and influenza virus subtypes

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).

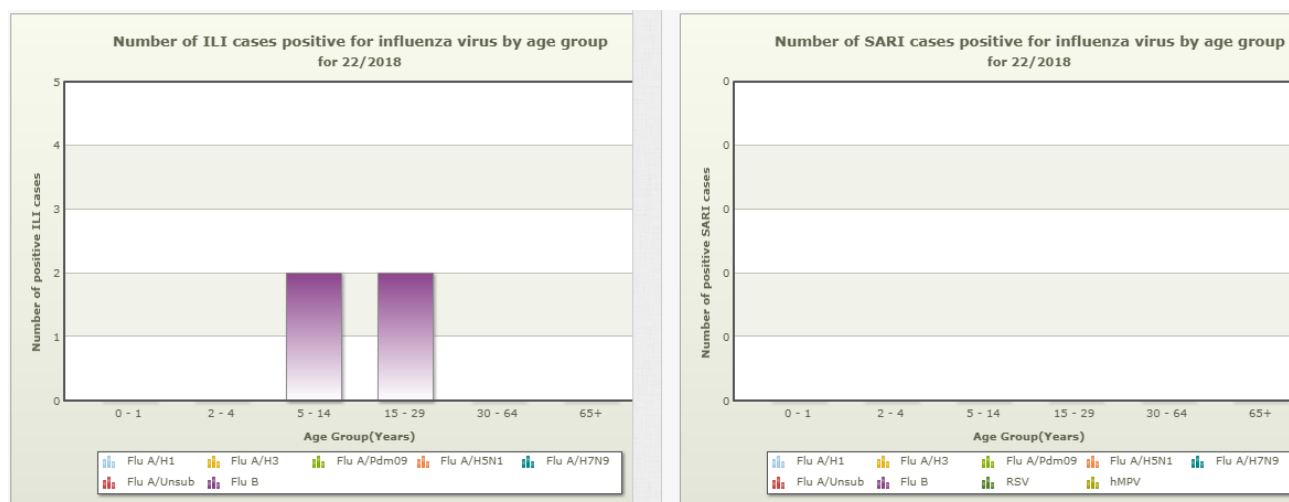


Figure 6 Age distribution by influenza and other respiratory virus positivity

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	5	0
Jigme Dorji Wangchuk National Referral Hospital	NA	0	1	1
Paro Hospital	99	3	0	0
Punakha Hospital	4	0	1	1
Trongsa Hospital	4	1	1	0
Phuentsholing Hospital	NA	0	2	0
Central Regional Referral Hospital, Gelephu	NA	0	0	0
Trashigang Hospital	5	0	0	0
Damphu Hospital	52	4	4	1
Samdrup Jongkhar Hospital	2	2	0	0
Samtse Hospital	92	0	0	0