



Weekly Flu View

Royal Centre for Disease Control



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Influenza Surveillance, Week 42 (15th – 21st October) 2018

Summary Report

The predominant seasonal Influenza strains circulated in this week was Influenza A/Pdm09. The overall incidence of Influenza-Like-Illness (ILI) and Severe Acute Respiratory Infection (SARI) were 25/1000 outpatient visits and 16/100 hospitalized patients respectively. The laboratory-confirmed influenza was mostly found in 30-64 years age group (Figure 1).

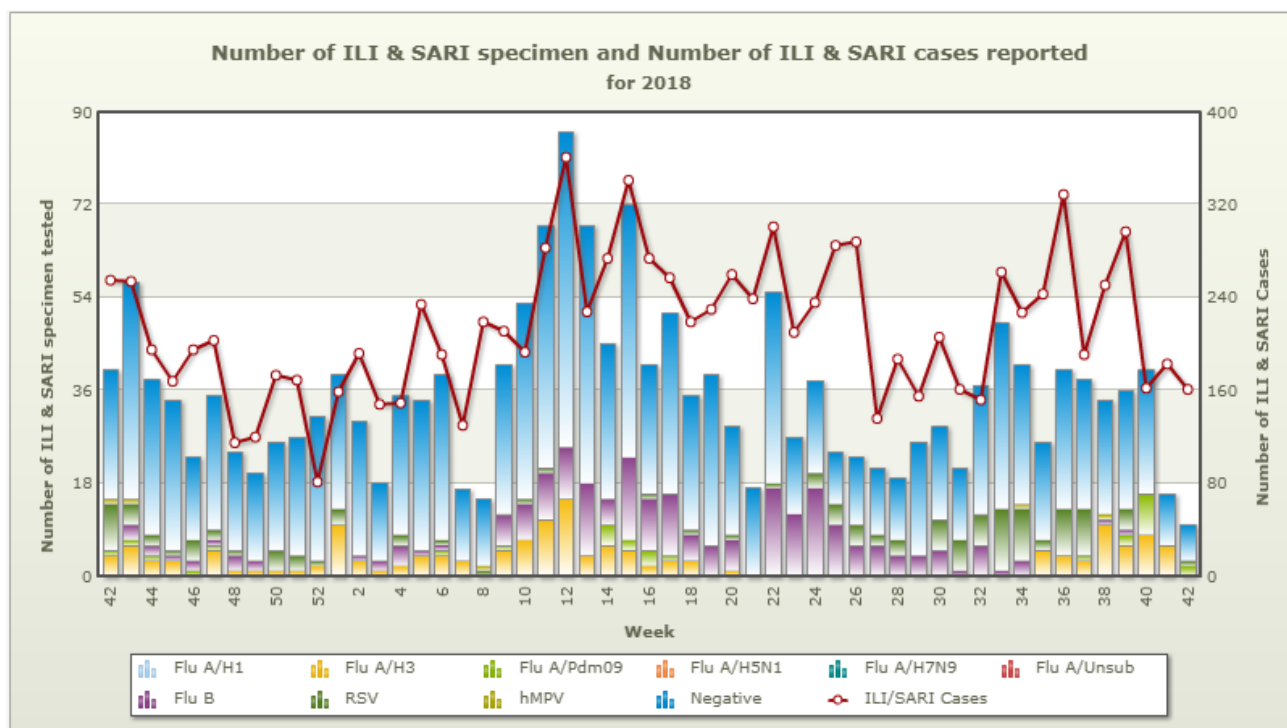


Figure 1 ILI and SARI cases and influenza virus subtypes

1. Epidemiological Surveillance

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

ILI incidence in the sentinel sites was 25/1000 outpatients, which remained same as the previous week.

Paro Hospital has reported the highest ILI cases (89 cases) (Figure 2). SARI incidence in the sentinel sites

was 16 per 100 admitted cases, which has increased by around 6% from the previous week. Trongsa Hospital has reported the highest SARI cases (12 cases).

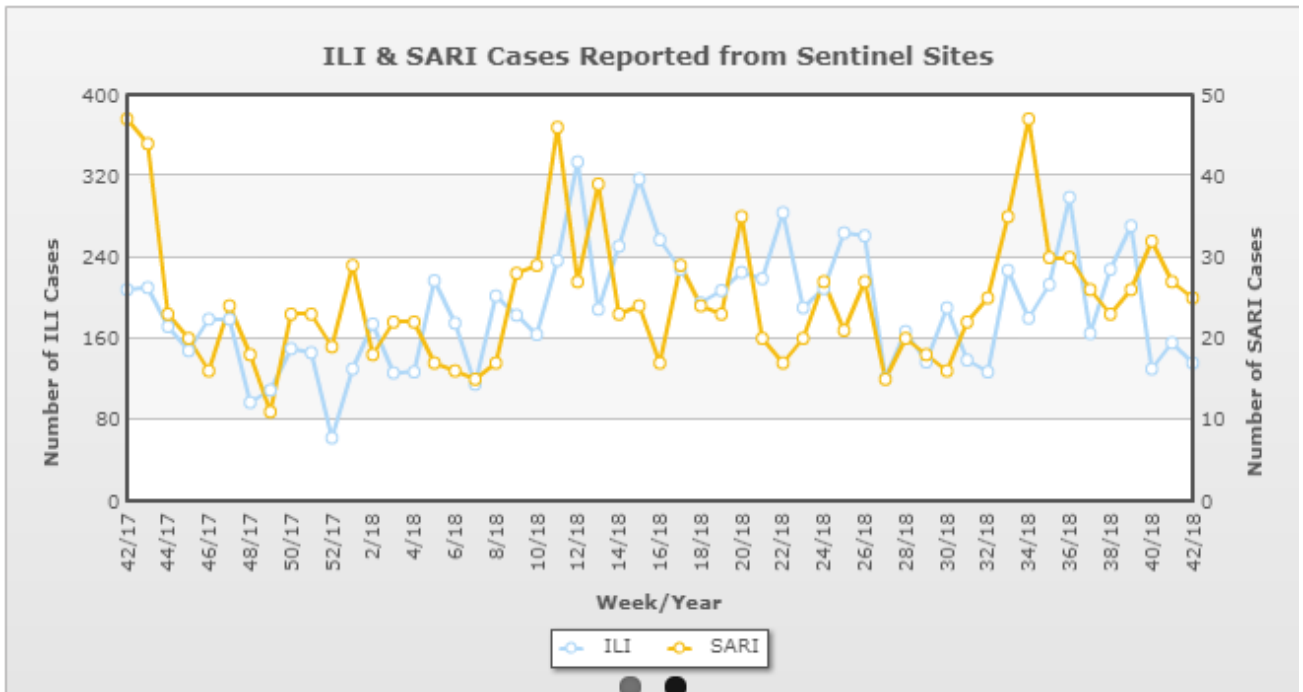


Figure 2 Trend in ILI and SARI cases until week 42, 2018 from past year's week

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).

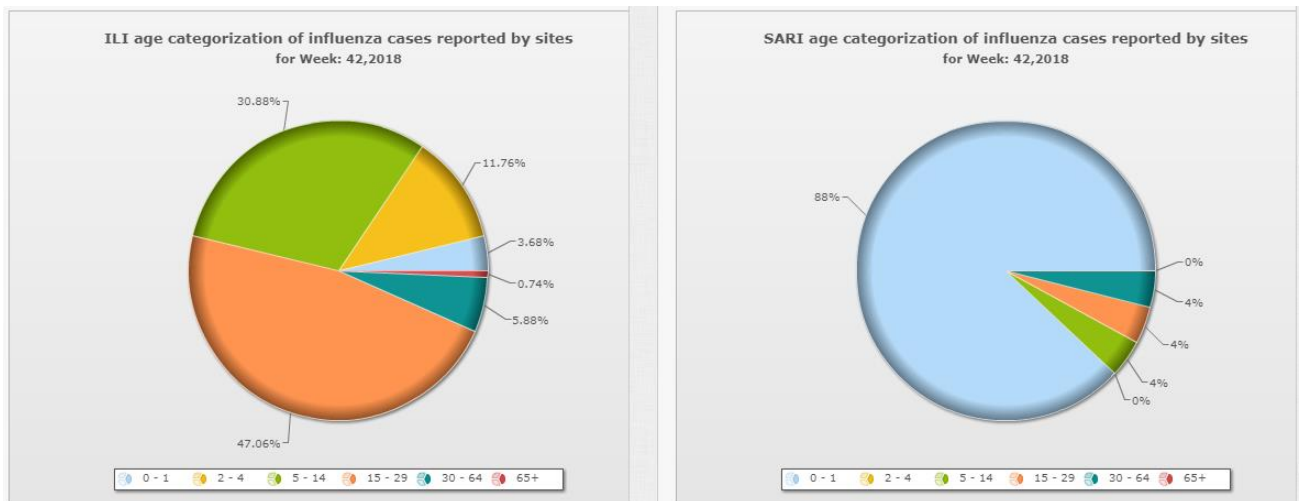


Figure 3 ILI and SARI cases by age groups

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

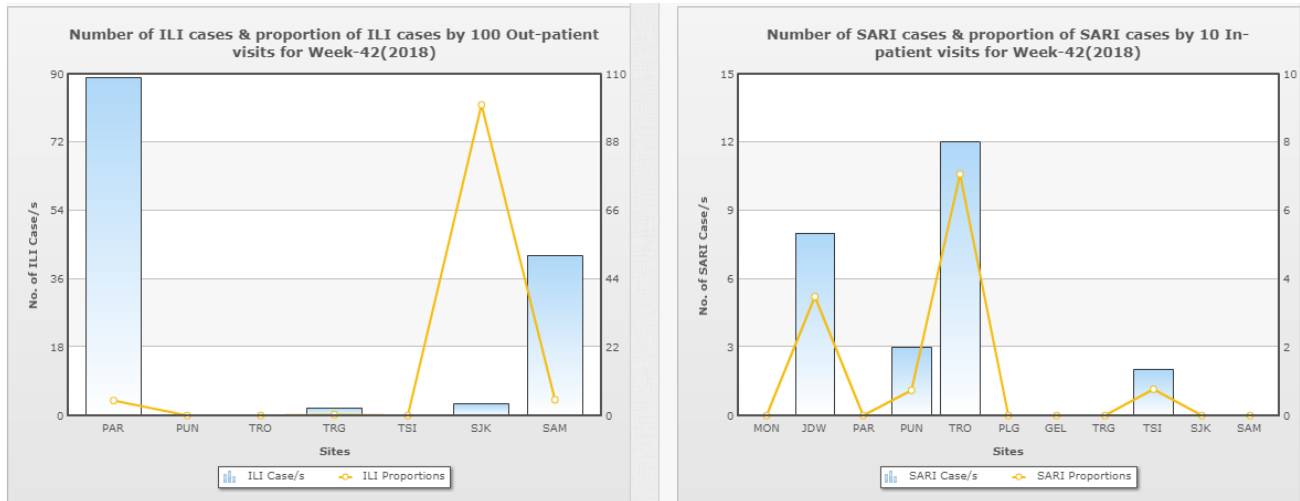


Figure 4 ILI and SARI cases distribution

2. Virology Surveillance

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

Total of 16 respiratory samples (ILI: 8 & SARI: 8) were received for testing influenza by Real Time RT PCR. Influenza A/Pdm09 was tested positive in both ILI and SARI samples (one sample in each group) (Figure 5).

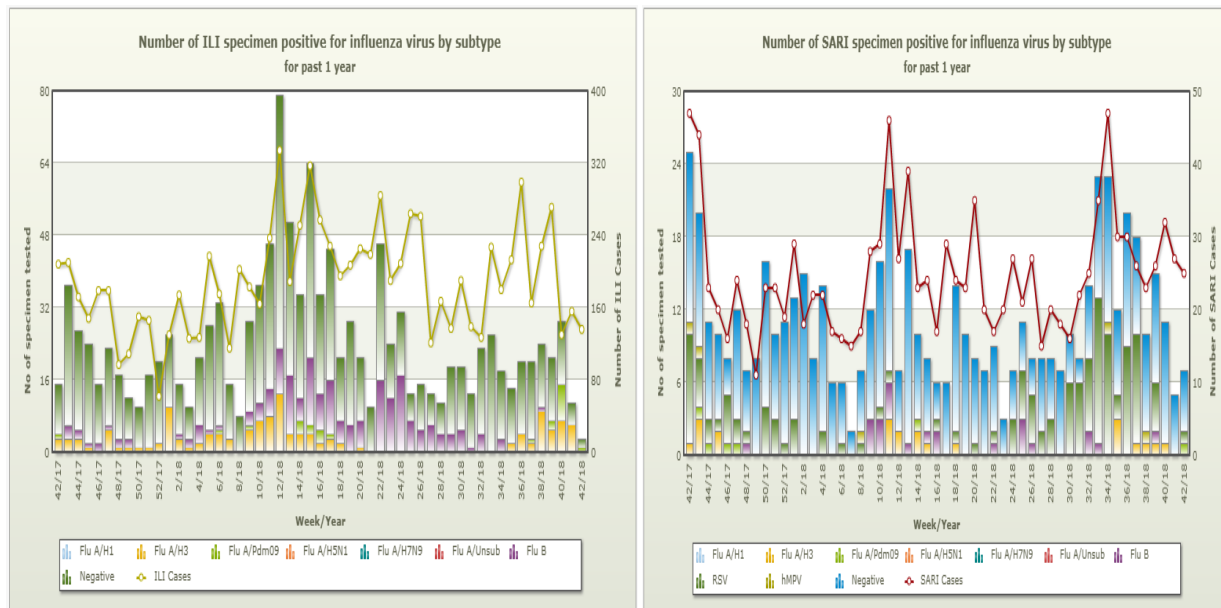


Figure 5 ILI and SARI cases and influenza virus subtypes

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

Influenza A/Pdm09 was detected in age group 30-64 years in both ILI and SARI cases (Figure 6).

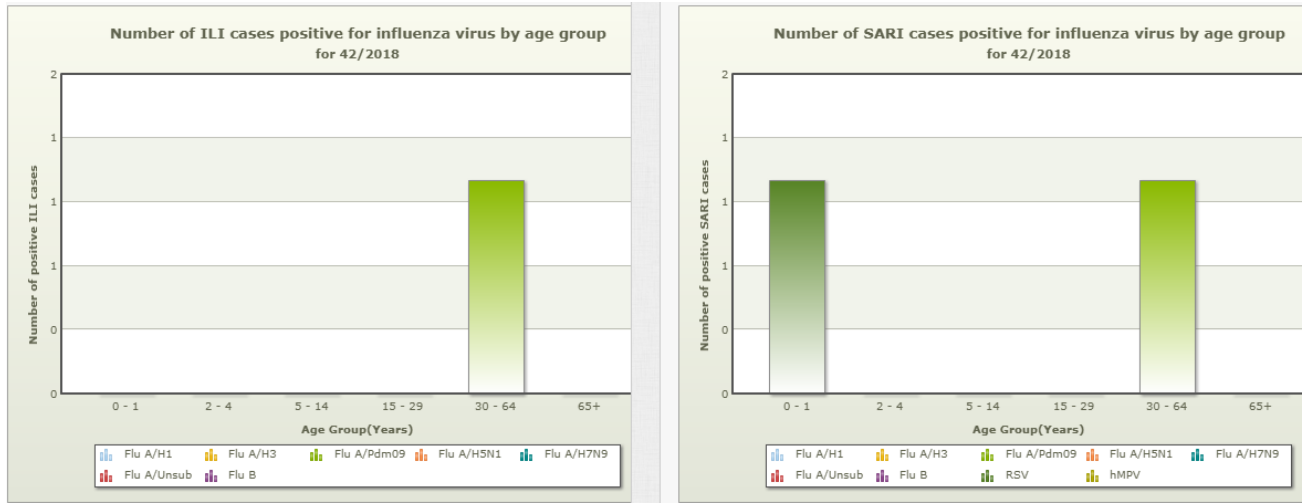


Figure 6 Age distribution by influenza and other respiratory virus positivity

2.3 Influenza virus subtypes distribution by places

Influenza A/Pdm09 was detected from Samdrup Jongkhar Hospital (n=1) and JDWNR Hospital (n=1) (Figure 7)

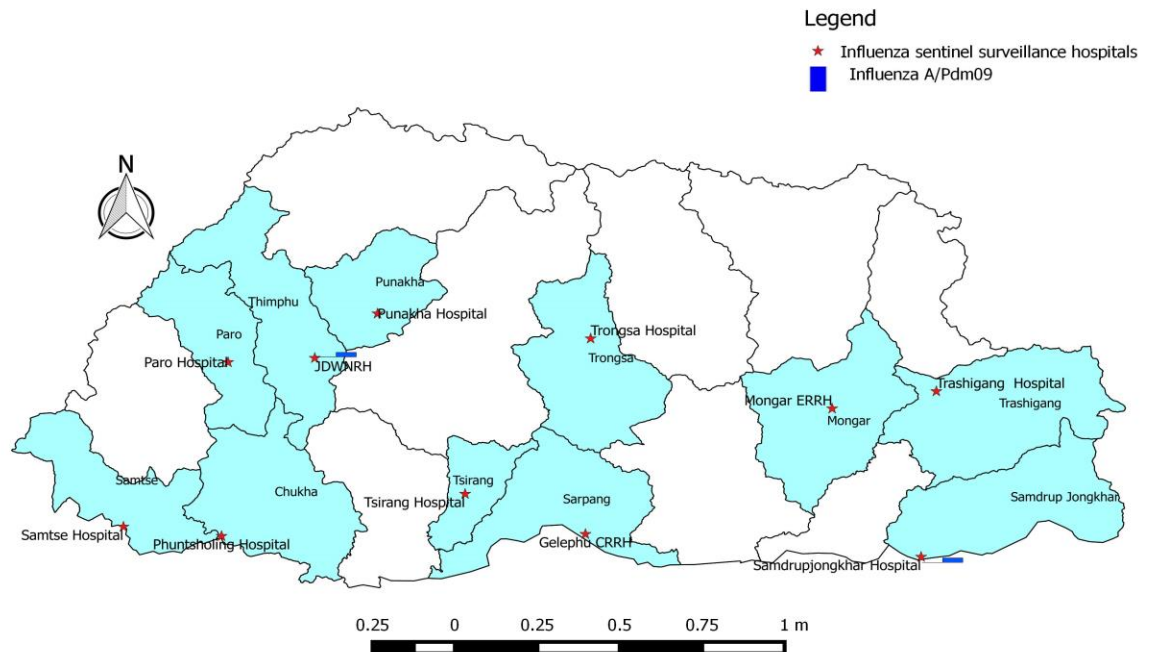


Figure 7 Distribution Influenza virus subtypes

3. Influenza Outbreak

No outbreaks were reported in the week.

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	0	0
Jigme Dorji Wangchuk National Referral Hospital	NA	0	8	8
Paro Hospital	89	0	NR	0
Punakha Hospital	0	0	3	0
Trongsa Hospital	0	0	12	0
Phuentsholing Hospital	NA	0	NR	0
Central Regional Referral Hospital, Gelephu	NA	0	0	0
Trashigang Hospital	2	0	NR	0
Damphu Hospital	NR	0	2	0
Samdrup Jongkhar Hospital	3	3	NR	0
Samtse Hospital	42	0	0	0