



Weekly Flu View

Royal Centre for Disease Control



Wangchutaba, Serbithang, Thimphu, Bhutan.

Post Box No. 667, EPABX: +975-2-350-577/578, Tele: +975-02-323317, Fax: +975-2-332464
 web: <http://www.rcdc.gov.bt>, E Mail: rcdc.bhutan@gmail.com

Influenza Surveillance, Week 36 (3rd – 9th September) 2018

Summary Report

The overall incidence of Influenza-Like-Illness (ILI) and Severe Acute Respiratory Infection (SARI) were 50/1000 outpatient visits and 9/100 hospitalized patients respectively. Both ILI and SARI samples were negative for influenza virus (Figure 1).

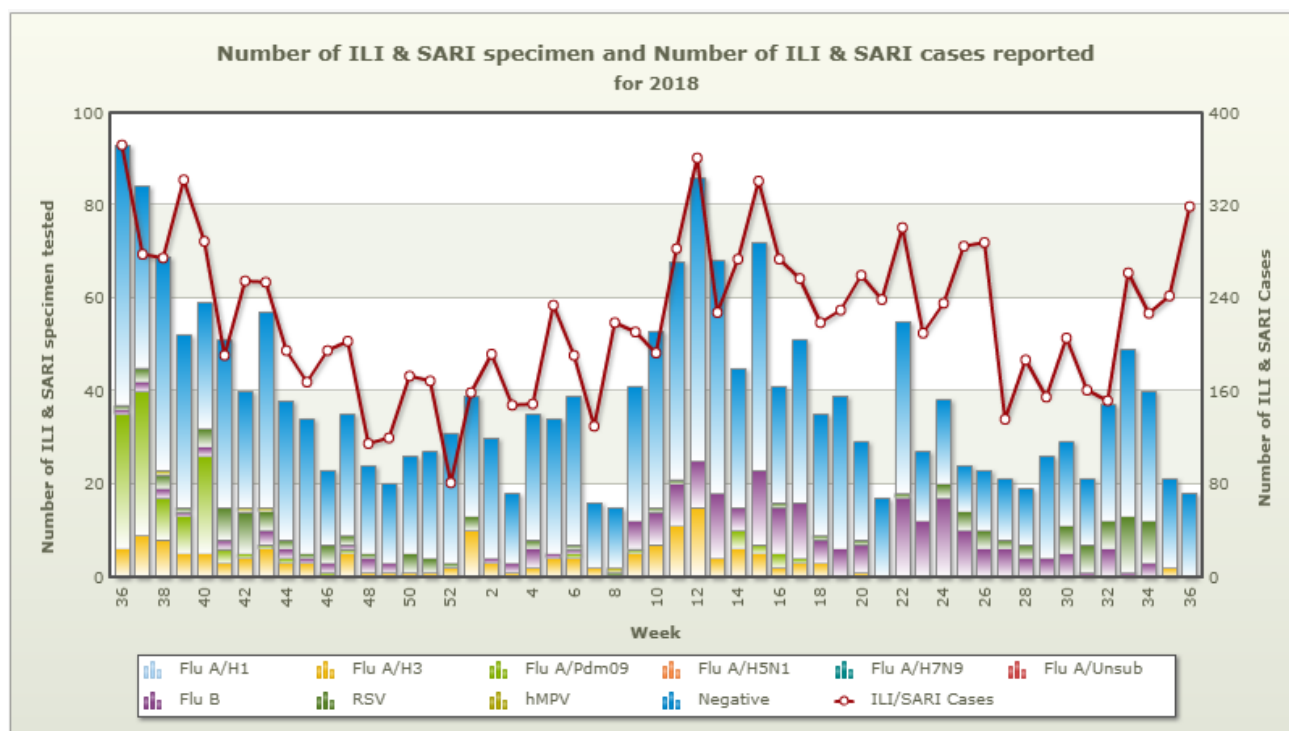


Figure 1 ILI and SARI cases and influenza virus subtypes

1. Epidemiological Surveillance

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

ILI incidence in the sentinel sites was 50/1000 outpatients, which has increased by 14% from the previous week. Samtse Hospital has reported the highest ILI cases (125 cases) (Figure 2). SARI incidence in the sentinel sites was 9 per 100 admitted cases, which has also slightly increased by 1% from the previous week. Samtse Hospital has reported the highest SARI cases (5 cases).

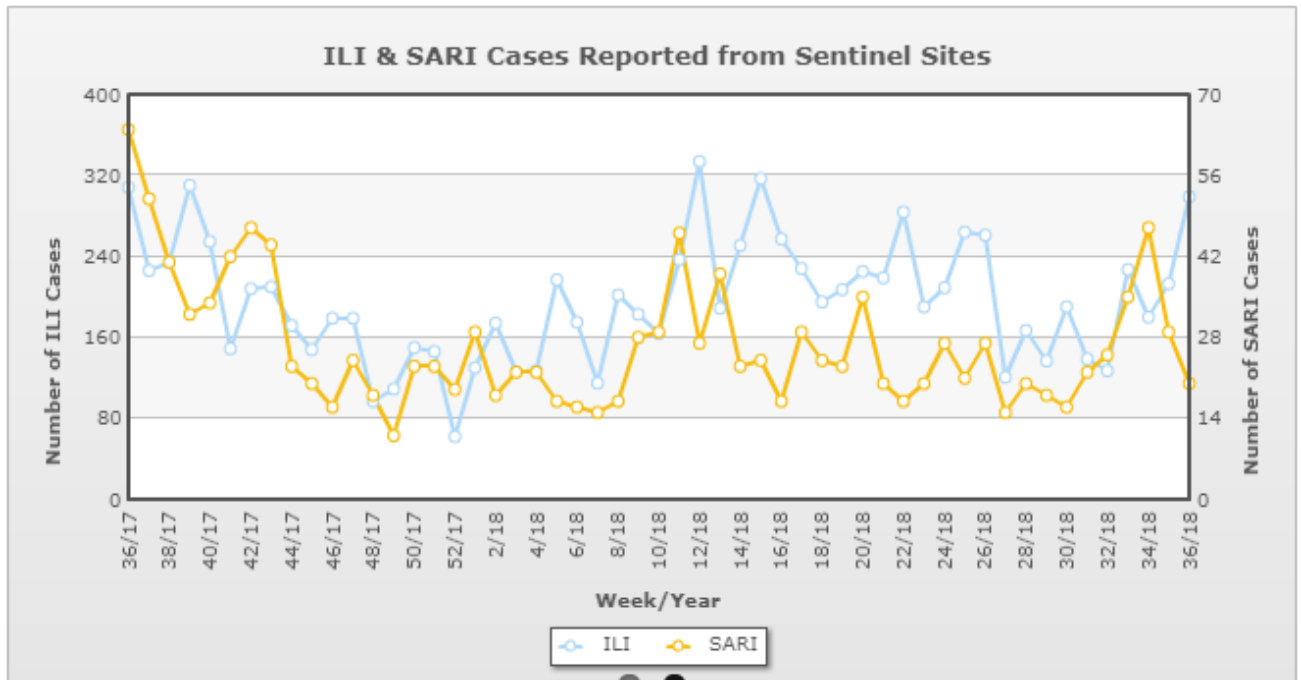


Figure 2 Trend in ILI and SARI cases until week 36, 2018 from past year's week

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).

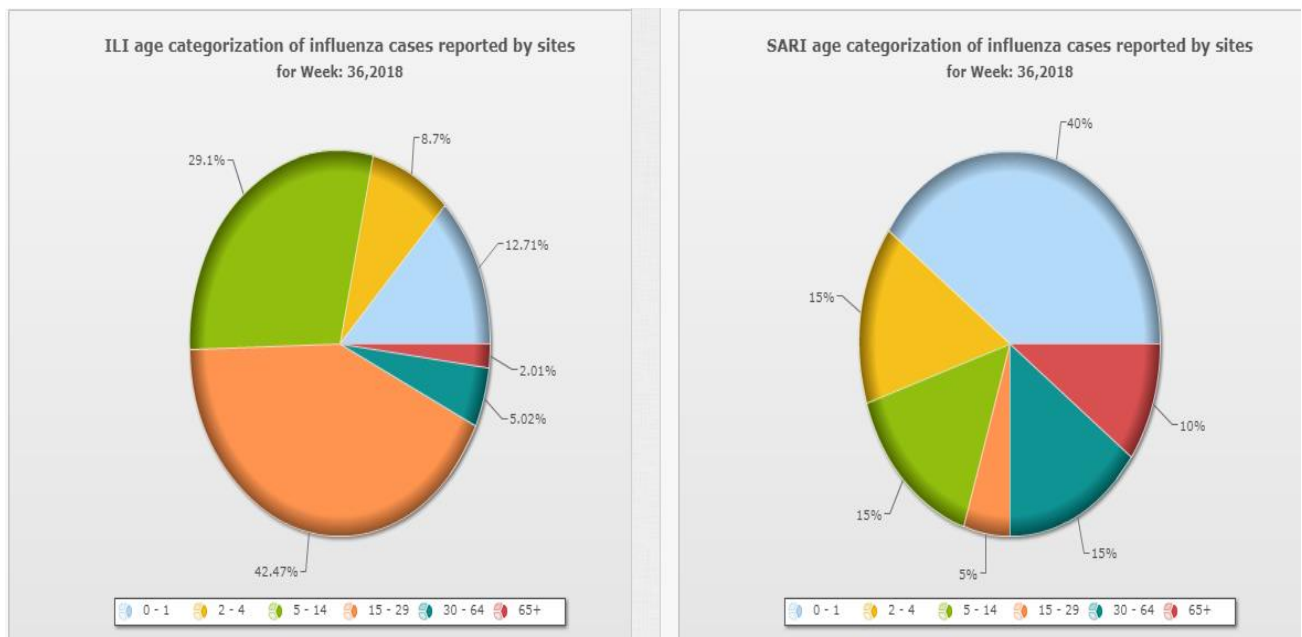


Figure 3 ILI and SARI cases by age groups

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

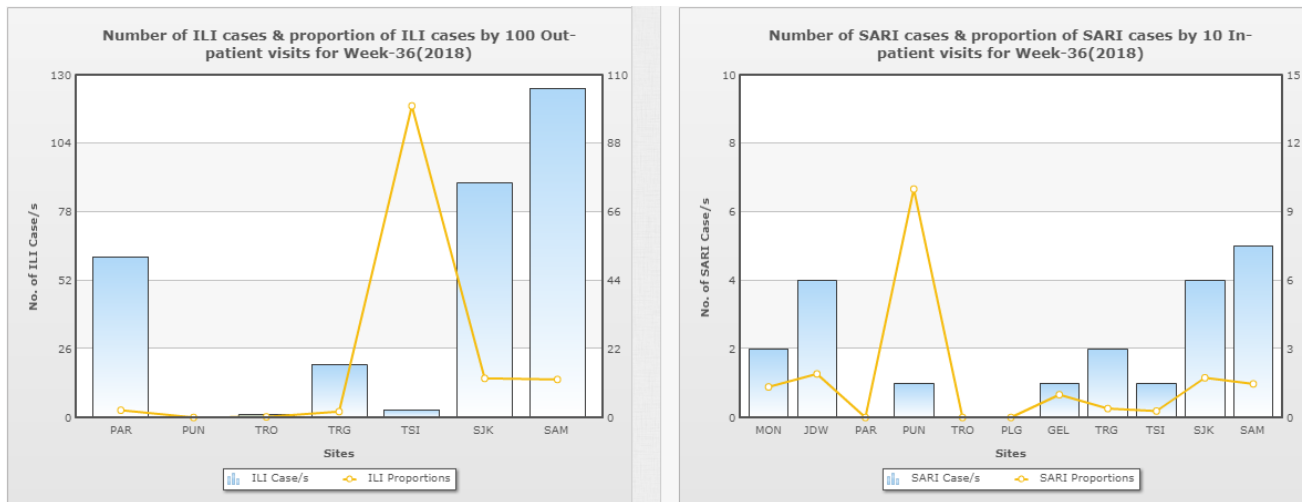


Figure 4 ILI and SARI cases distribution

2. Virology Surveillance

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

Total of 18 respiratory samples (ILI:12 & SARI: 6) were received for testing influenza by Real Time RT PCR.

None of the samples tested positive for influenza virus (Figure 5).

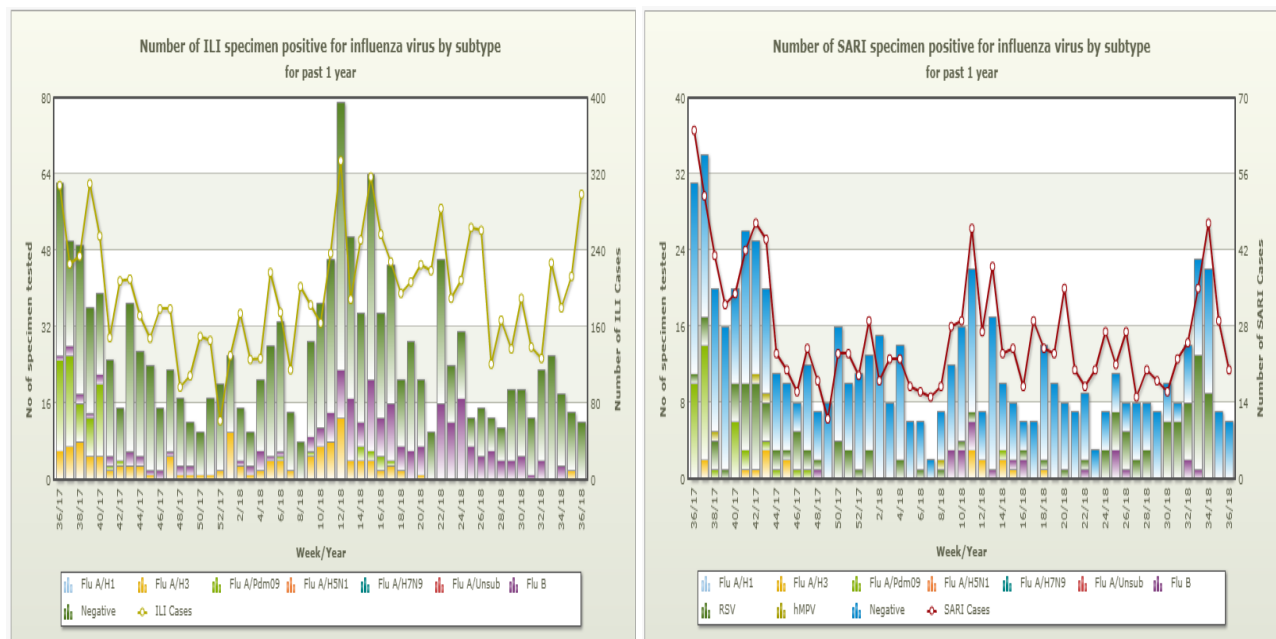


Figure 5 ILI and SARI cases and influenza virus subtypes

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

Influenza virus was not detected in both ILI and SARI samples (Figure 6).

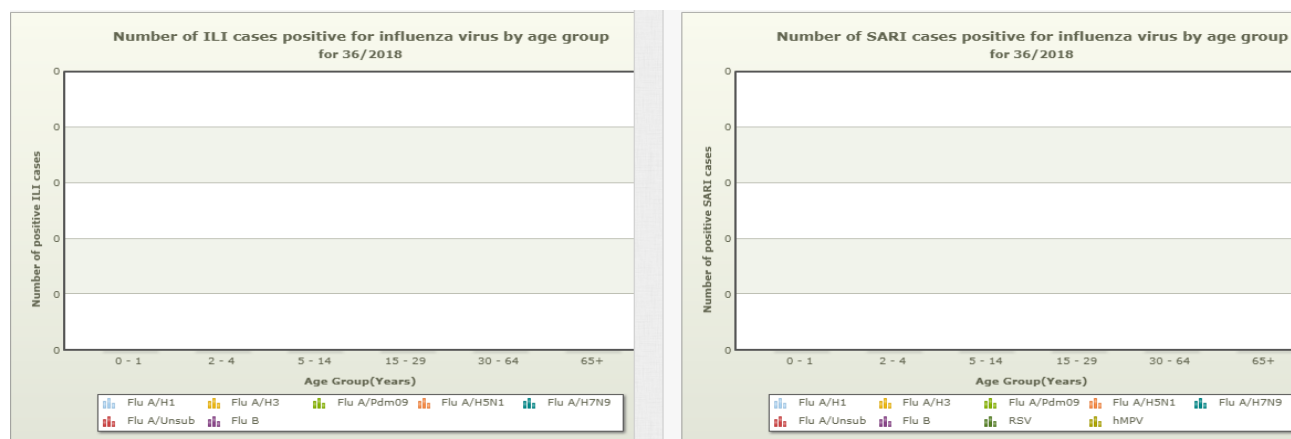


Figure 6 Age distribution by influenza and other respiratory virus positivity

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	2	0
Jigme Dorji Wangchuk National Referral Hospital	NA	0	4	4
Paro Hospital	61	6	NR	0
Punakha Hospital	NR	0	1	1
Trongsa Hospital	1	1	NR	0
Phuentsholing Hospital	NA	0	0	0
Central Regional Referral Hospital, Gelephu	NA	0	1	0
Trashigang Hospital	20	0	2	0
Damphu Hospital	3	2	1	0
Samdrup Jongkhar Hospital	89	0	4	0
Samtse Hospital	125	3	5	2