

Weekly Flu View

Royal Centre for Disease Control

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Influenza Surveillance, Week-16 (13 - 19th April) 2020

1. Summary Report

The acute respiratory infection (ARI) decreases across the country in week-16 (1579 compared to previous week 2505 ARI cases). It remains below ARI median of previous five years (**Figure 1**). We have received and tested total of 7 ILI specimens and 2 SARI specimens and found negative for Influenza viruses for all specimens, therefore, Influenza positivity rate for the week remains zero (**Figure 2 & 3**).

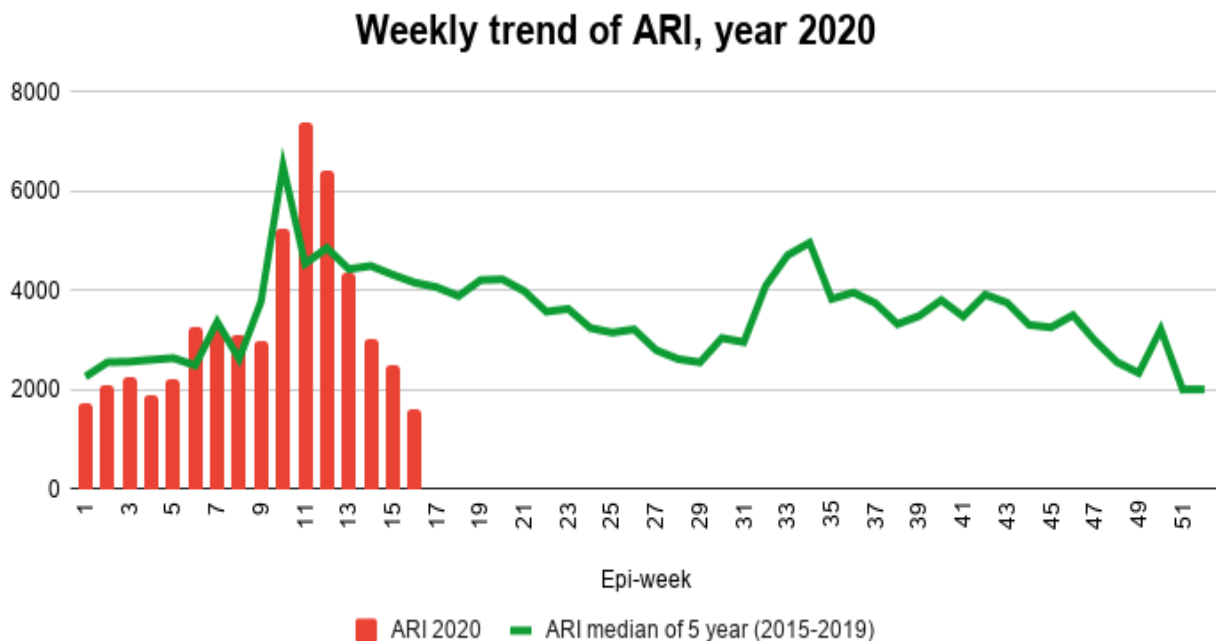


Figure 1: The overall ARI cases in the country over the week

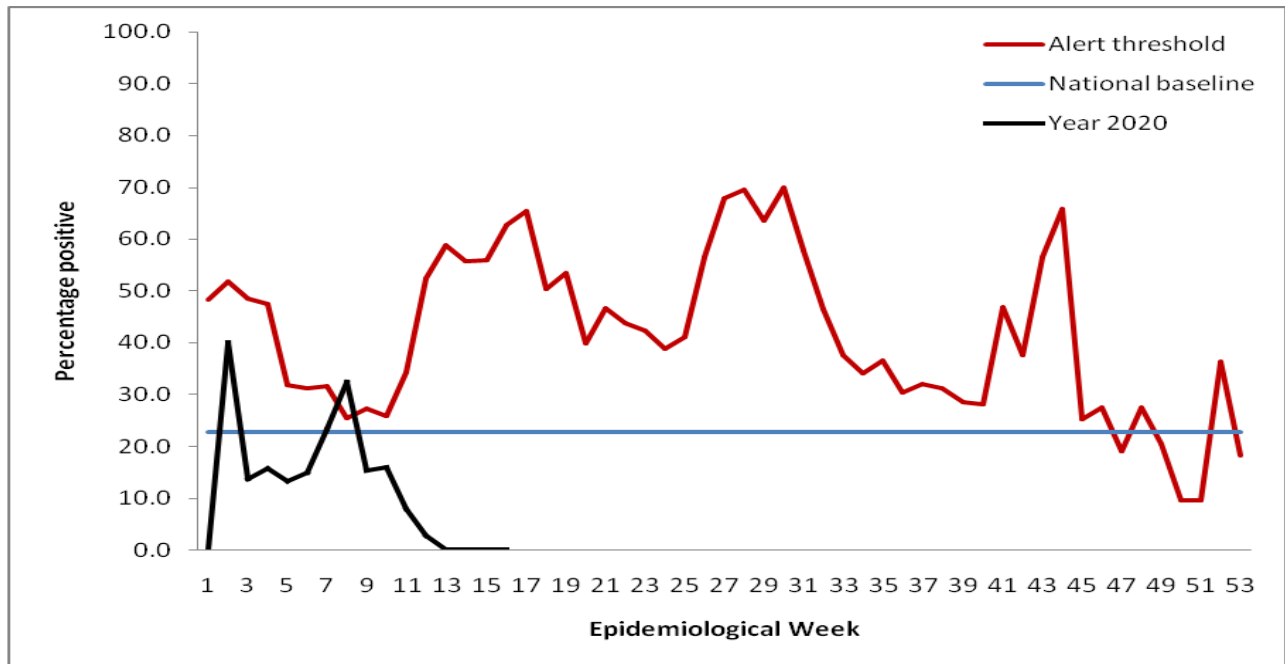


Figure 2: Influenza threshold curve with current positivity rate among ILI cases

2. Virological surveillance

Total of 7 ILI and 2 SARI specimens were received from sentinel sites (**Table 1**). All specimens were tested for Influenza virus characterization by real-time RT-PCR at Virology and Molecular Laboratory, RCDC. All specimens (0/7) tested negative for Influenza viruses and it remains below alert threshold (**Figure 2 & 3**). Influenza positivity among SARI specimens was **zero** (0/2), (**Figure 3**).

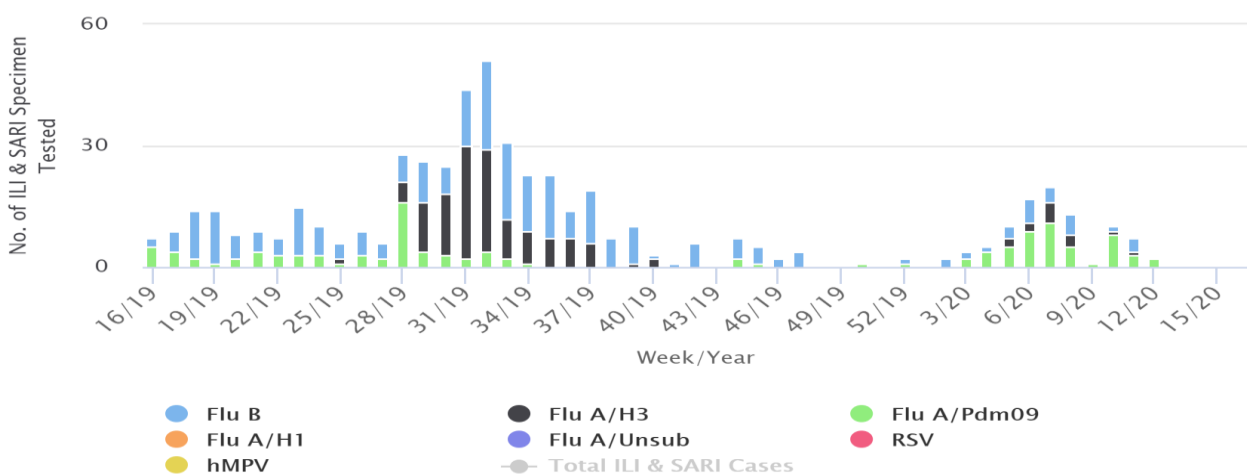


Figure 3: Influenza virus subtypes by week

3. Epidemiological surveillance

The incidence of ILI and SARI decreases in week-16 compared to previous week (**Figure 4**). Total of 185 ILI cases and 8 SARI cases were reported (**Table 1**). The ILI incidence was 37 per 1000 out-patient visits and 3 per 100 admitted cases for SARI; however, the distribution of the case differs among the sentinel sites (**Figure 5-a, 5-b**). The mostly affected age group among ILI associated out patient visits were between 30-64 years (25%) and for SARI associated hospitalization was between >65 years (50%) (**Figure 6**).

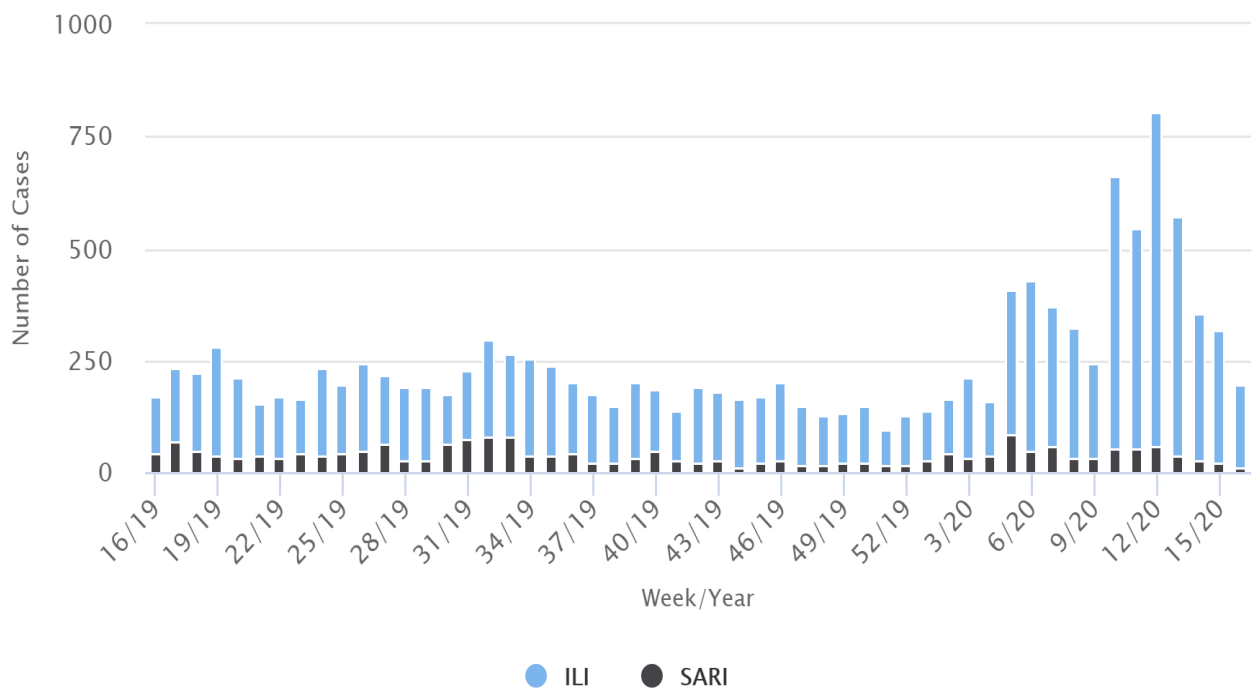


Figure 4: Distribution of ILI and SARI cases by week

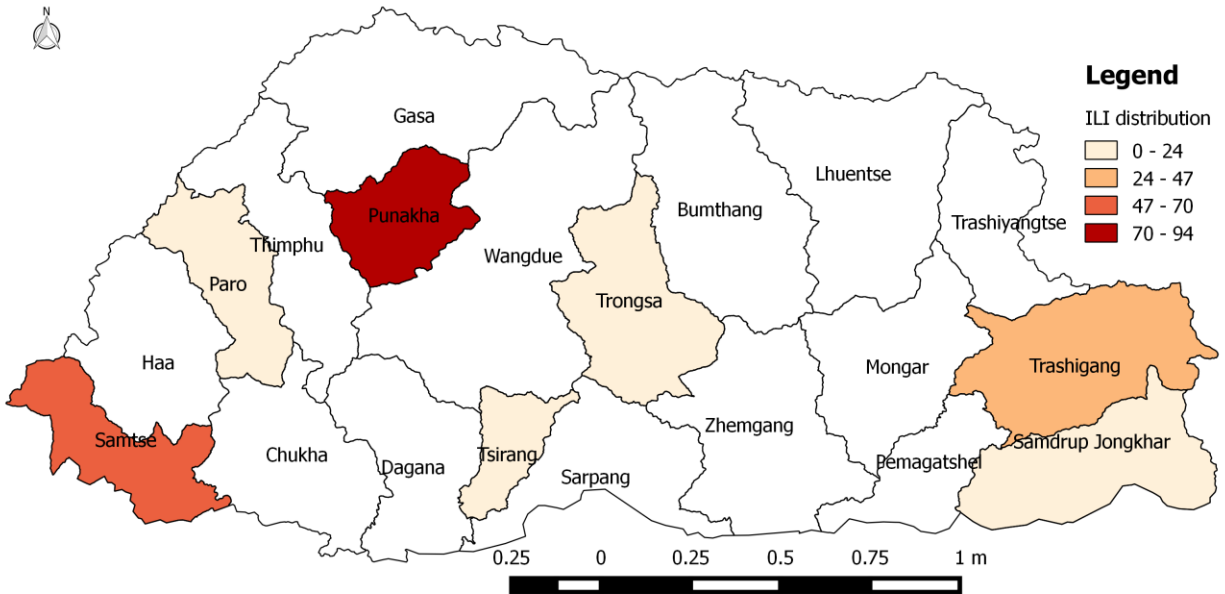


Figure 5-a: ILI cases by sentinel sites for week-16, 2020

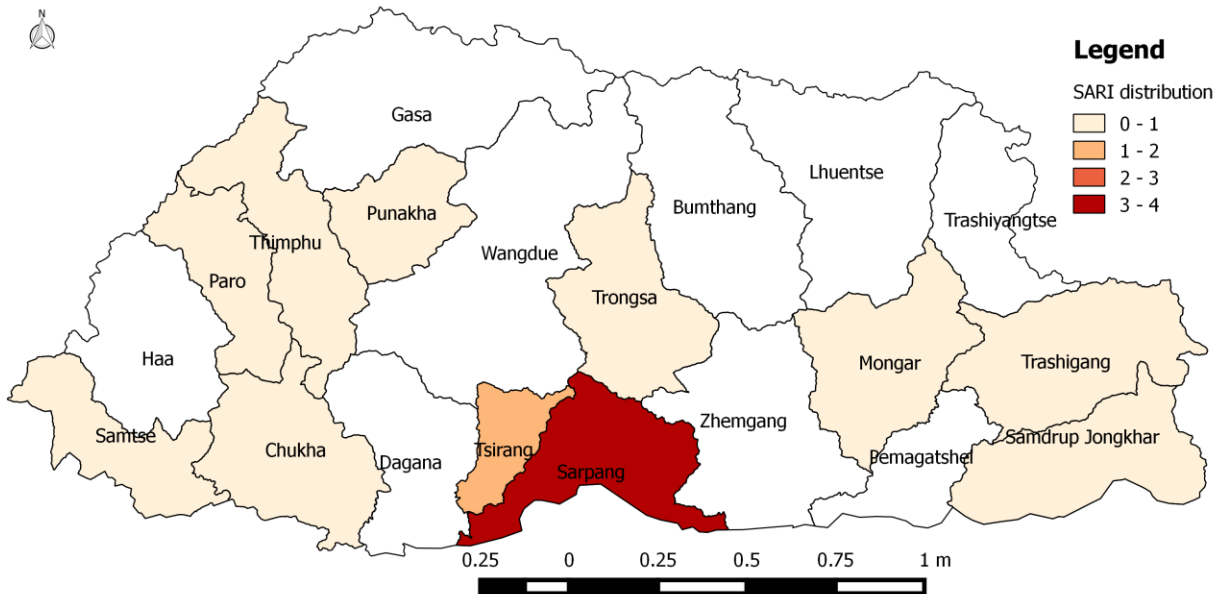


Figure 5-b: SARI cases by sentinel sites for week-16, 2020

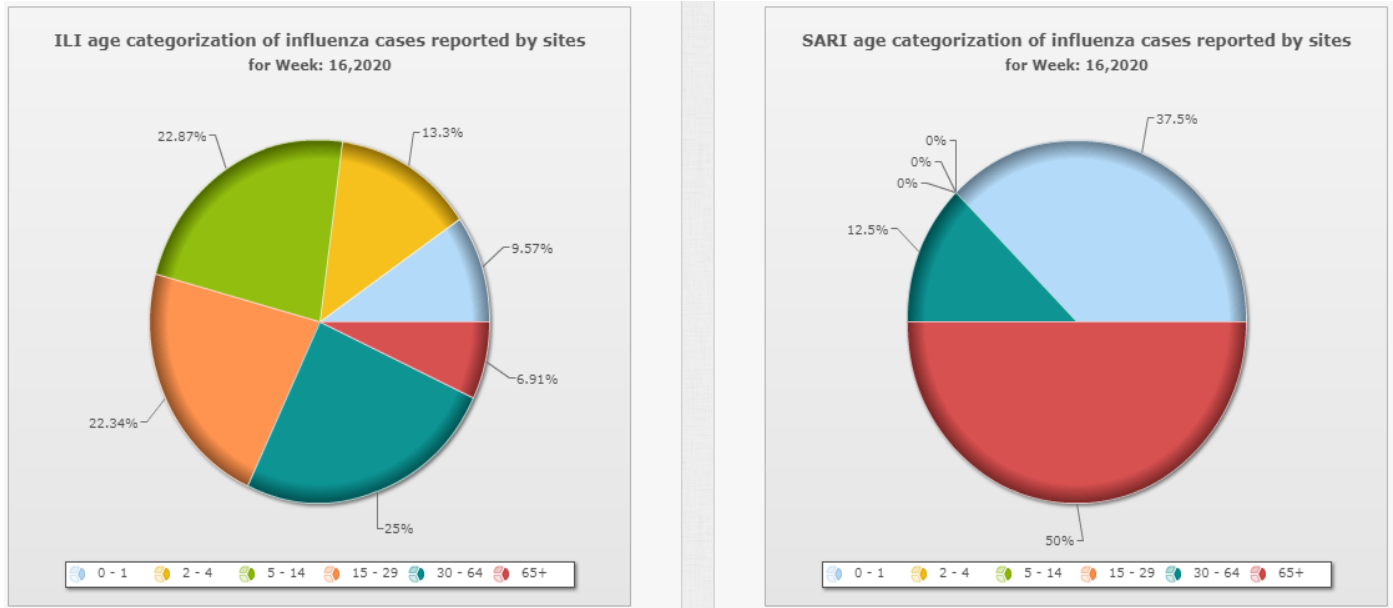


Figure 6: ILI and SARI cases by age groups

4. Influenza associated mortality

No flu associated SARI death was reported for the week.

5. Flu outbreak

There was no Flu outbreak reported for the week.

6. Reporting status by sentinel sites

Total of 7 ILI and 2 SARI specimens were received from sentinel sites. Except Punakha, Tsirang and Samdrup Jongkhar Hospital, all the sentinel Hospitals has reported for both ILI and SARI surveillance (**Table 1**).

Table 1: Reporting and sample collection by sentinel sites

Number of ILI/SARI cases reported and sample collected by sites for Week:16,2020				
Surveillance sites	ILI Cases	No. of Samples Collected	SARI Cases	No. of Samples Collected
Paro Hospital	2	2	0	0
Punakha Hospital	94	0	NR	0
Trongsa Hospital	4	2	0	0
Trashigang Hospital	32	0	0	0
Damphu Hospital	NR	2	2	0
Samdrup Jongkhar Hospital	NR	0	0	0
Samtse Hospital	53	0	0	0
Eastern Regional Referral Hospital, Monggar	NA	0	0	0
Jigme Dorji Wangchuk National Referral Hospital	NA	0	1	1
Phuentsholing Hospital	NA	1	1	0
Central Regional Referral Hospital, Gelephu	NA	0	4	1
Total	185	7	8	2

Note: NR: Not Reported, NA: Not Applicable

Cases*: patients meeting case definition but not laboratory confirmed.