

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-19 (4 - 10th May) 2020

1. Summary Report

The acute respiratory infection (ARI) decreases across the country in week-19 (1275 compared to previous week 1300 ARI cases). It remains below ARI median of previous five years (Figure 1). We have received and tested total of 4 ILI specimens and 6 SARI specimens and found negative for Influenza viruses for all specimens, therefore, Influenza positivity rate for the week remains zero (Figure 2 & 3).

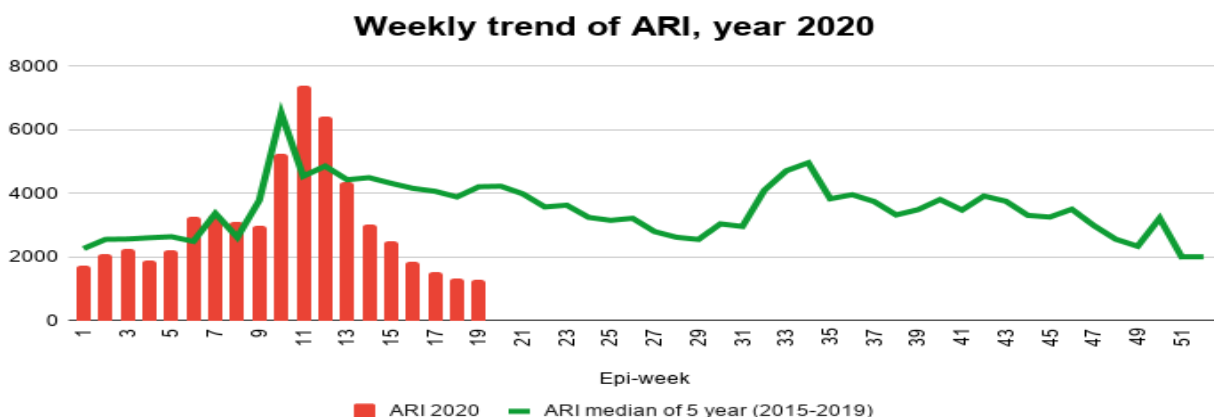


Figure 1: The overall ARI cases in the country over the week

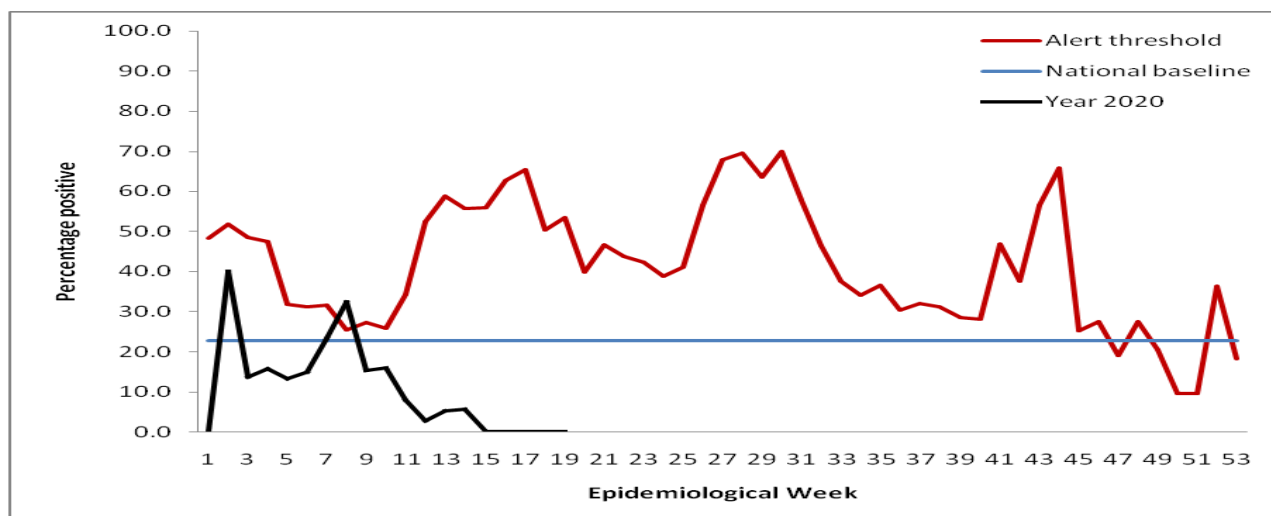


Figure 2: Influenza threshold curve with current positivity rate among ILI cases

2. Virological surveillance

Total of 4 ILI and 6 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 (0/4) tested negative for Influenza viruses and it remains below alert threshold (**Figure 2 & 3**). Influenza positivity among SARI specimens was **zero** (0/6), (**Figure 3**).

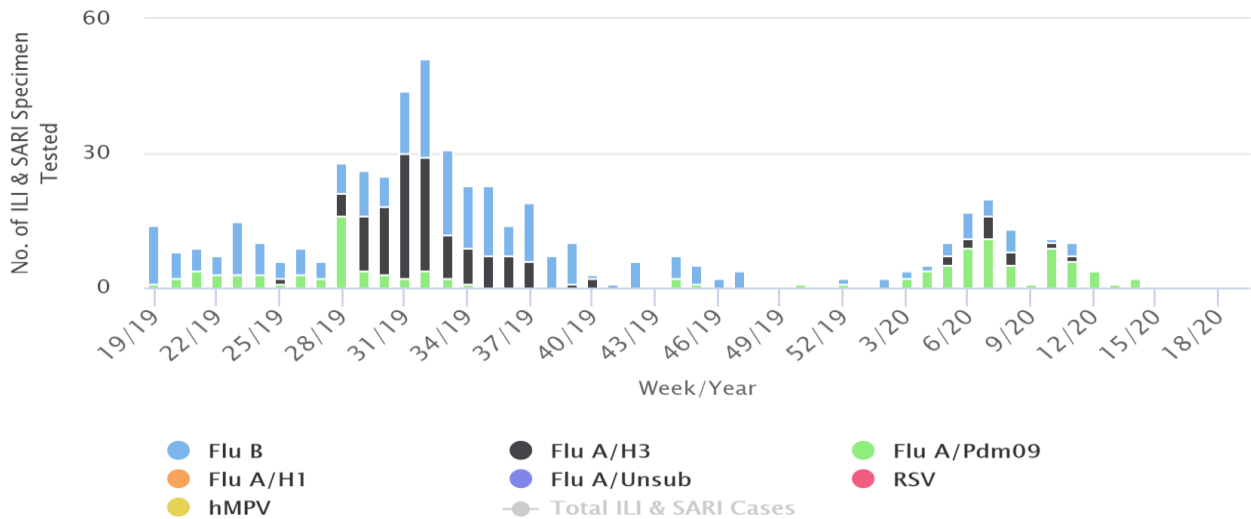


Figure 3: Influenza virus subtypes by week

3. Epidemiological surveillance

The incidence of ILI and SARI increases in week-19 compared to previous week (**Figure 4**). Total of 194 ILI cases and 16 SARI cases were reported (**Table 1**). The ILI incidence was 28 per 1000 out-patient visits and 6 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 (27.92%) and for SARI associated hospitalization was 15-29 years (25.0%) (**Figure 6**).

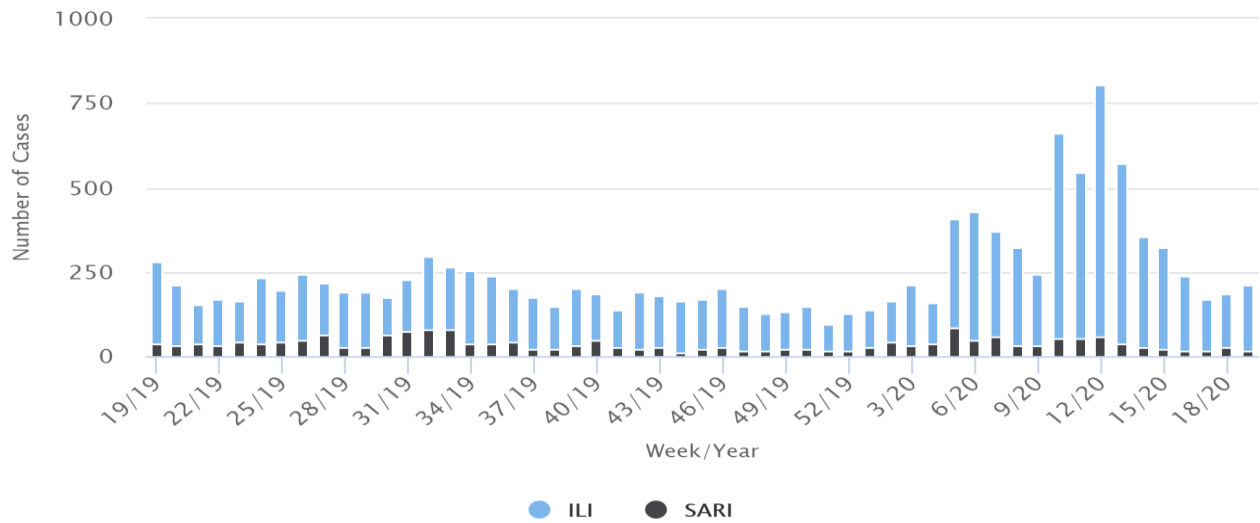


Figure 4: Distribution of ILI and SARI cases by week

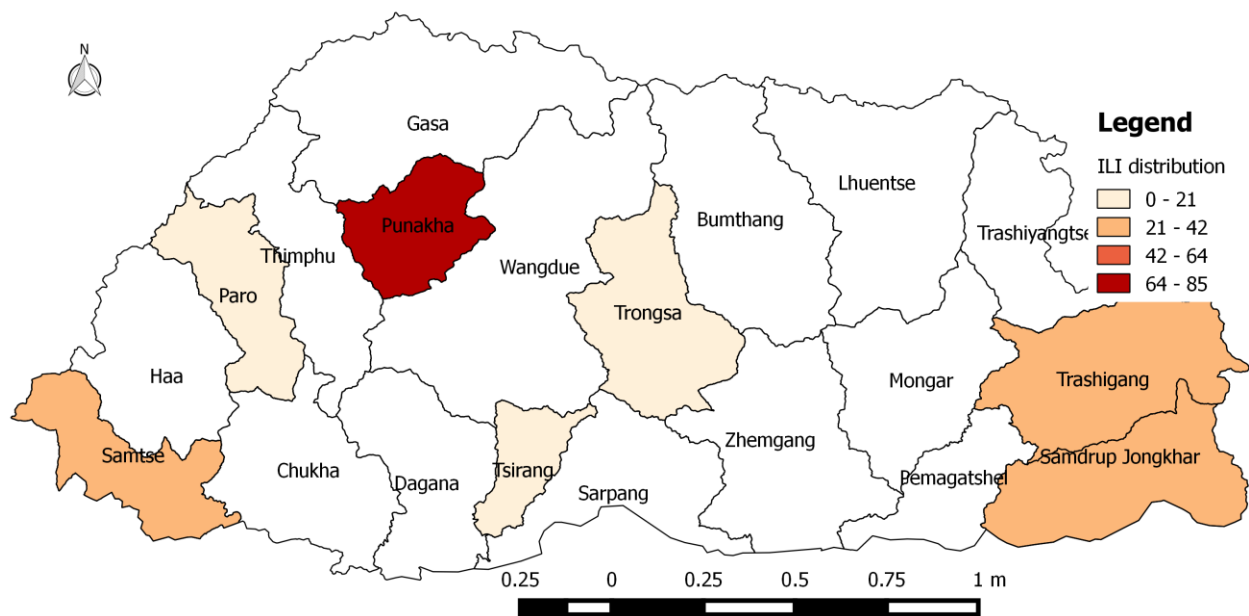


Figure 5-a: ILI cases by sentinel sites for week-19, 2020

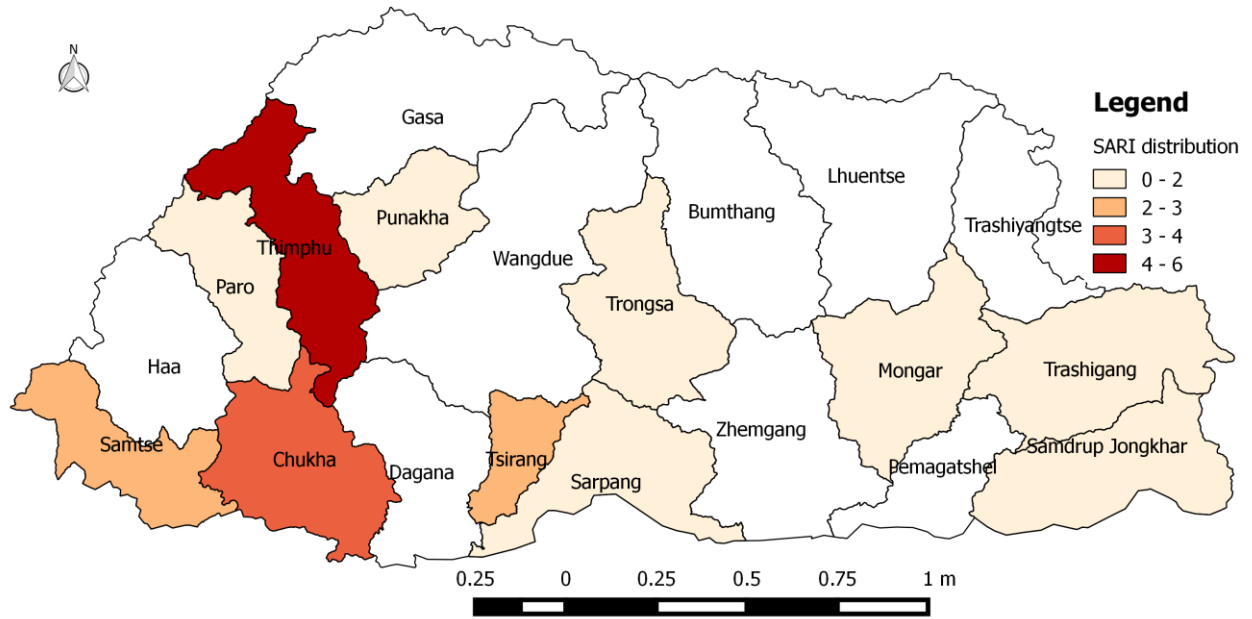


Figure 5-b: SARI cases by sentinel sites for week-19, 2020

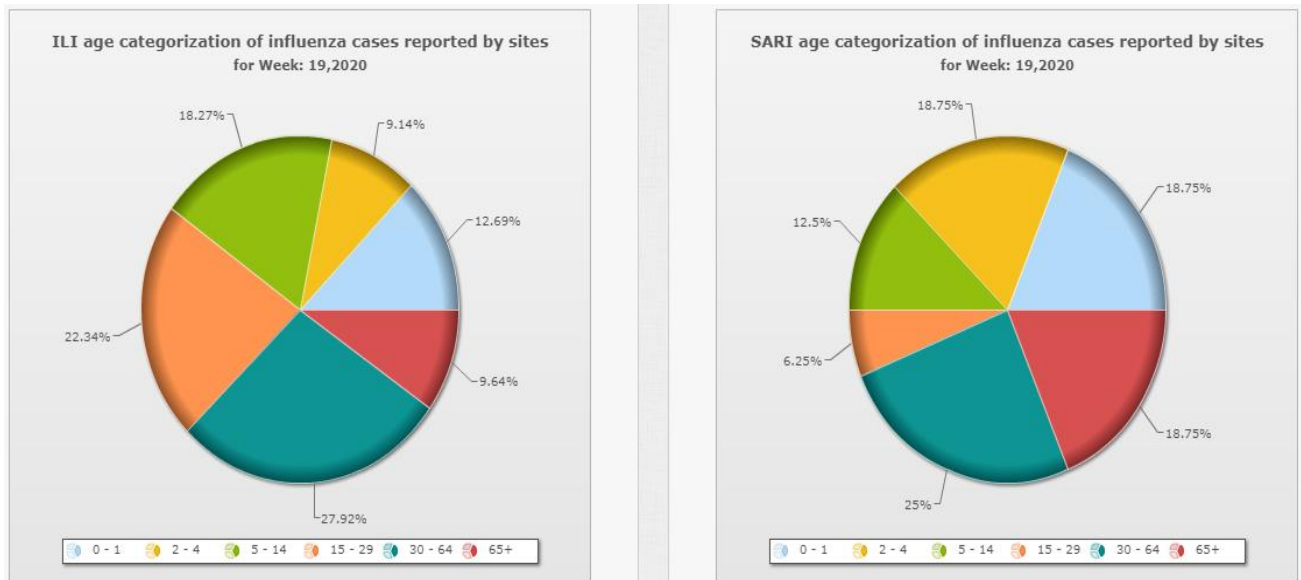


Figure 6: ILI and SARI cases by age groups

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 4 ILI and 6 SARI specimens were received from sentinel sites. Except Punkha Hospital, all sentinel sites 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:19,2020				
Surveillance sites	ILI Cases	No. of Samples Collected	SARI Cases	No. of Samples Collected
Paro Hospital	9	0	0	0
Punakha Hospital	85	0	NR	0
Trongsa Hospital	3	1	0	0
Trashigang Hospital	37	0	0	0
Damphu Hospital	0	0	2	0
Samdrup Jongkhar Hospital	24	0	0	0
Samtse Hospital	36	0	3	0
Eastern Regional Referral Hospital, Monggar	NA	0	1	1
Jigme Dorji Wangchuk National Referral Hospital	NA	0	6	2
Phuentsholing Hospital	NA	3	4	3
Central Regional Referral Hospital, Gelephu	NA	0	0	0
Total	194	4	16	6

Note: NR: Not Reported, NA: Not Applicable

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