



# Weekly Flu View

## Royal Centre for Disease Control



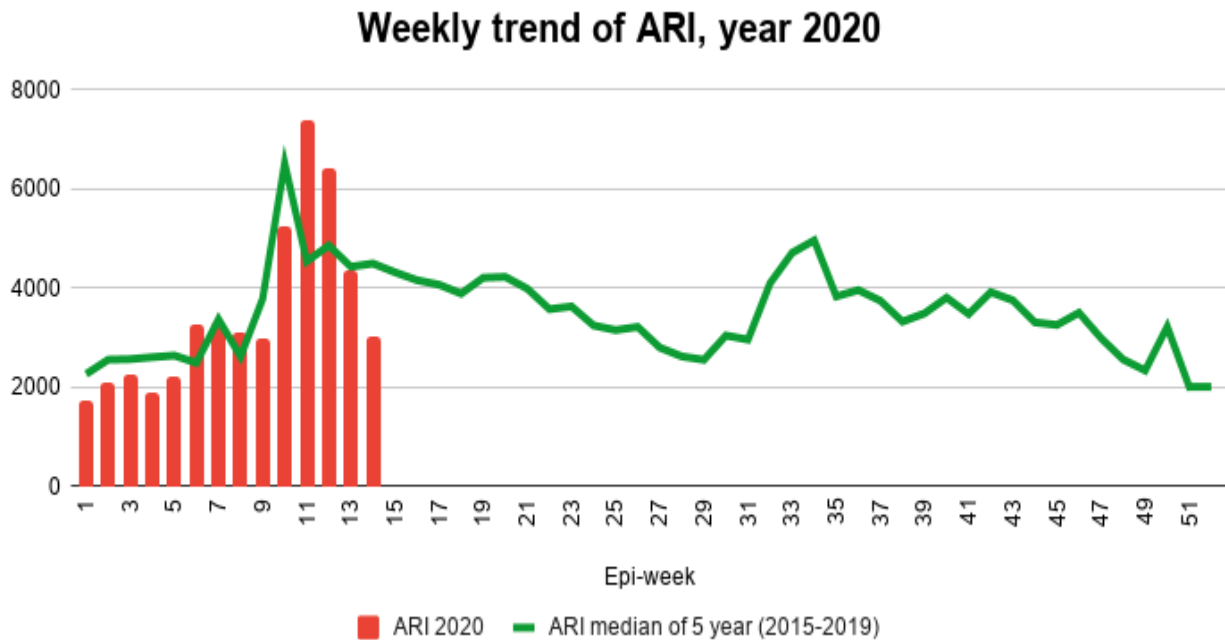
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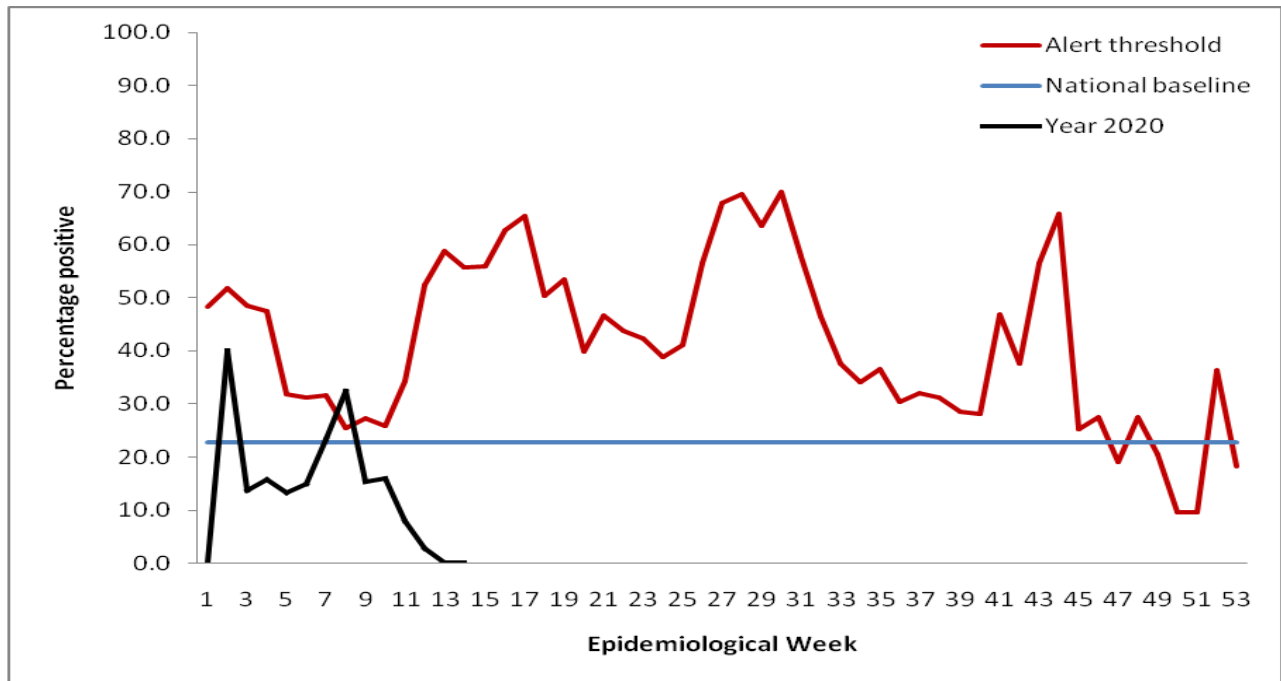
### Influenza Surveillance, Week-14 (30<sup>th</sup> March – 5<sup>th</sup> April) 2020

#### 1. Summary Report

The acute respiratory infection (ARI) decreases across the country in week-14 (3018 compared to previous week 4324 ARI cases). It remains below ARI median of previous five years (Figure 1). We have received and tested total of 16 ILI specimens and 15 SARI specimens and found negative for Influenza viruses for all specimens (Figure 2 & 3).



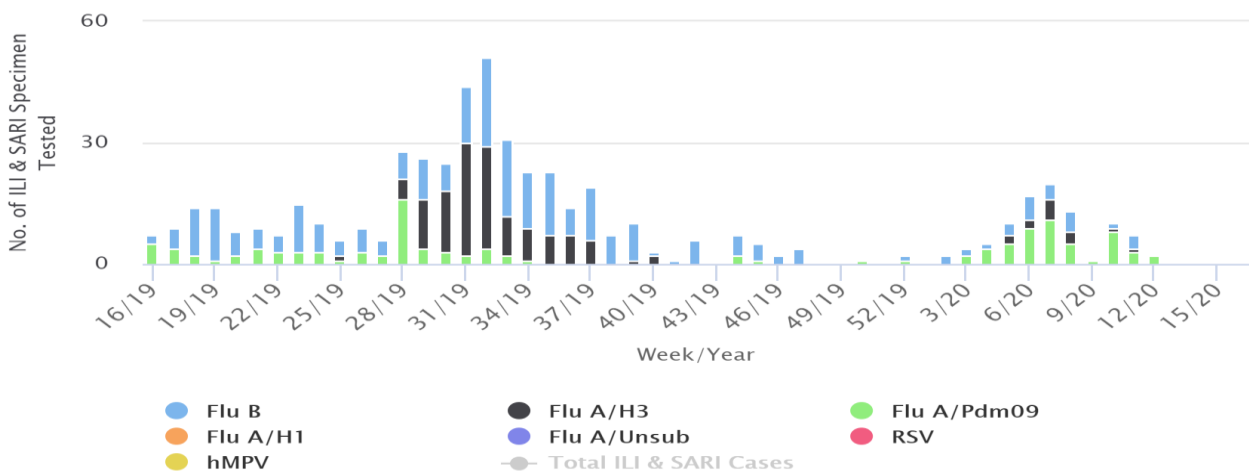
**Figure 1:** The overall ARI cases in the country over the week



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

## 2. Virological surveillance

Total of 16 ILI and 15 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 (0/16) tested negative for Influenza viruses and it remains below alert threshold (**Figure 2 & 3**). Influenza positivity among SARI specimens was **zero** (0/15), (**Figure 3**).



**Figure 3:** Influenza virus sybtypes by week

### 3. Epidemiological surveillance

The incidence of ILI and SARI decreases in week-14 compared to previous week (Figure 4). Total of 323 ILI cases and 25 SARI cases were reported (Table 1). The ILI incidence was 70 per 1000 out-patient visits and 9 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 (29.36%) and for SARI associated hospitalization was between 0-1 years (40.0%) (Figure 6).

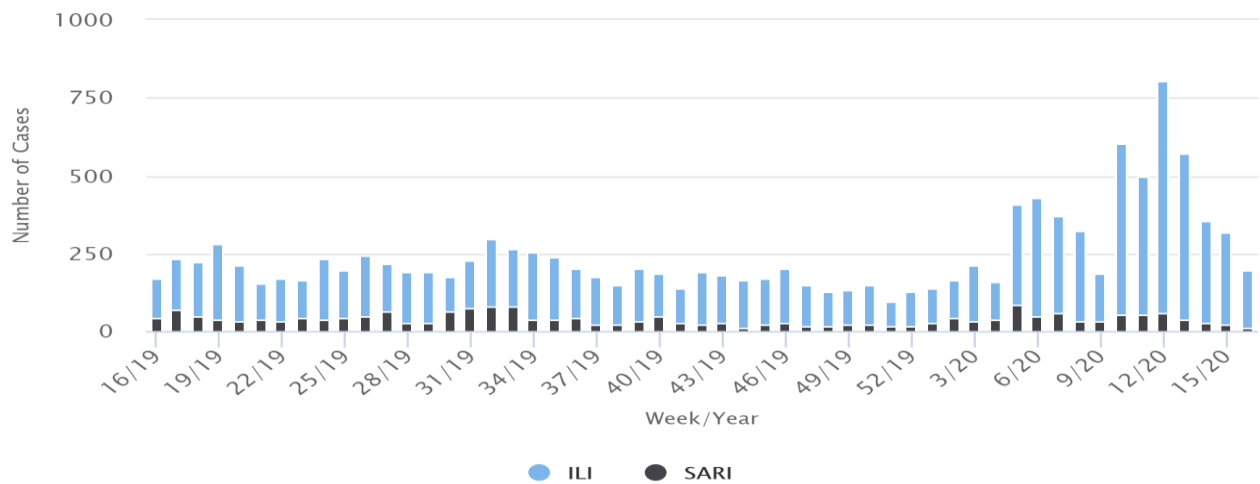
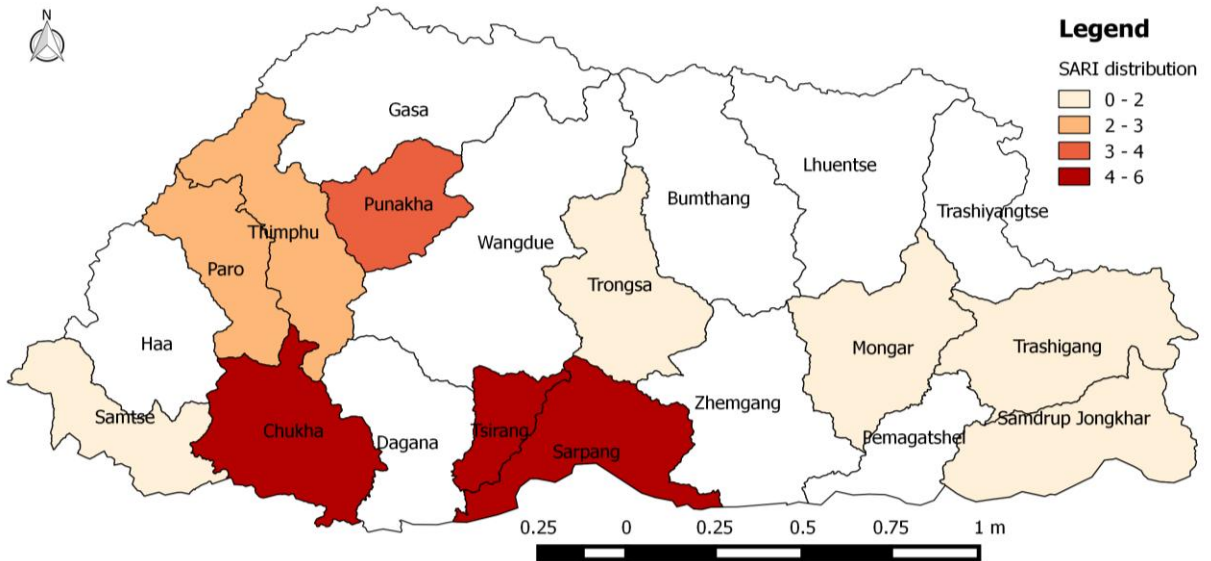


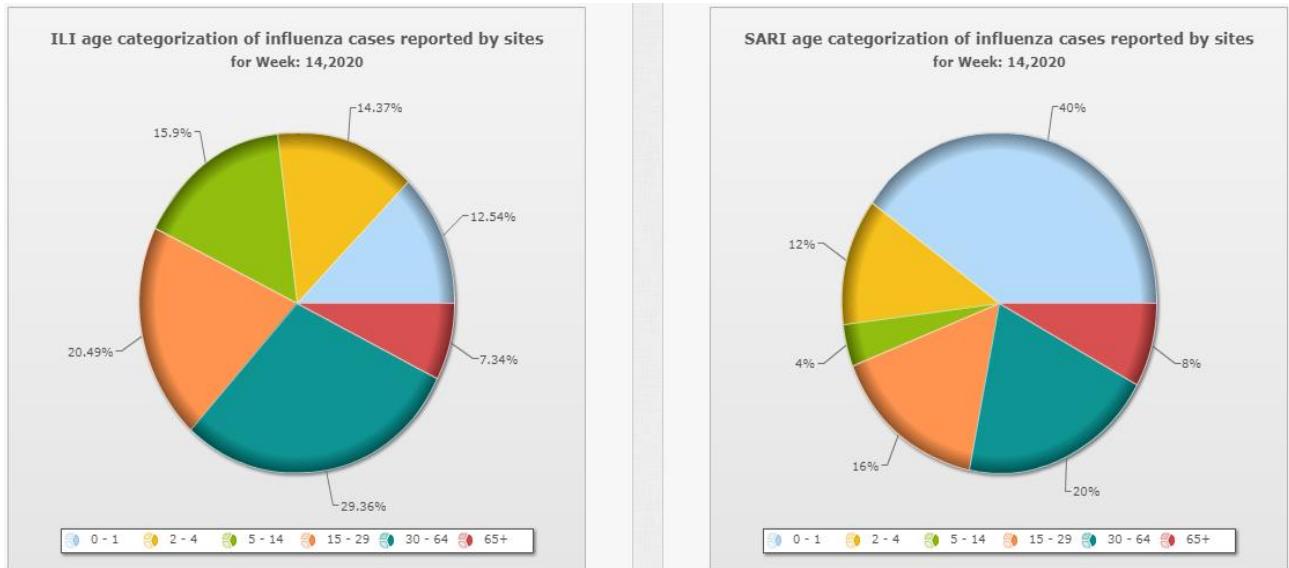
Figure 4: Distribution of ILI and SARI cases by week



Figure 5-a: ILI cases by sentinel sites for week-13, 2020



**Figure 5-b:** SARI cases by sentinel sites for week-13, 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 16 ILI and 15 SARI specimens were received from sentinel sites. 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:14,2020				
Surveillance sites	ILI Cases	No. of Samples Collected	SARI Cases	No. of Samples Collected
Paro Hospital	8	0	2	2
Punakha Hospital	139	1	1	0
Trongsa Hospital	3	3	1	0
Trashigang Hospital	73	2	0	0
Damphu Hospital	0	0	6	0
Samdrup Jongkhar Hospital	45	4	3	3
Samtse Hospital	55	2	4	4
Eastern Regional Referral Hospital, Monggar	NA	4	2	2
Jigme Dorji Wangchuk National Referral Hospital	NA	0	3	2
Phuentsholing Hospital	NA	0	1	1
Central Regional Referral Hospital, Gelephu	NA	0	2	1
<b>Total</b>	<b>323</b>	<b>16</b>	<b>25</b>	<b>15</b>

**Note:** NR: Not Reported, NA: Not Applicable

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