



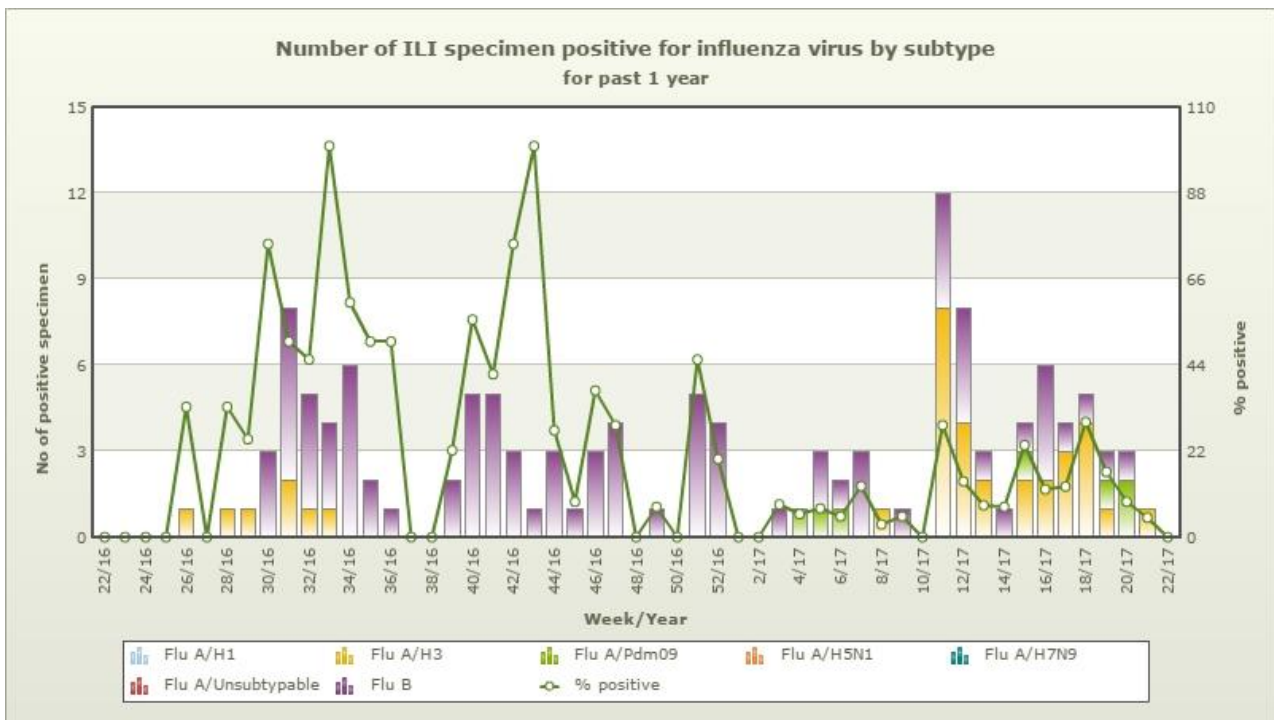
**Influenza-like-illness (ILI) and Severe Acute Respiratory Infection (SARI) surveillance, Week 22 (29<sup>th</sup> May – 4<sup>th</sup> June) 2017**

**Synopsis**

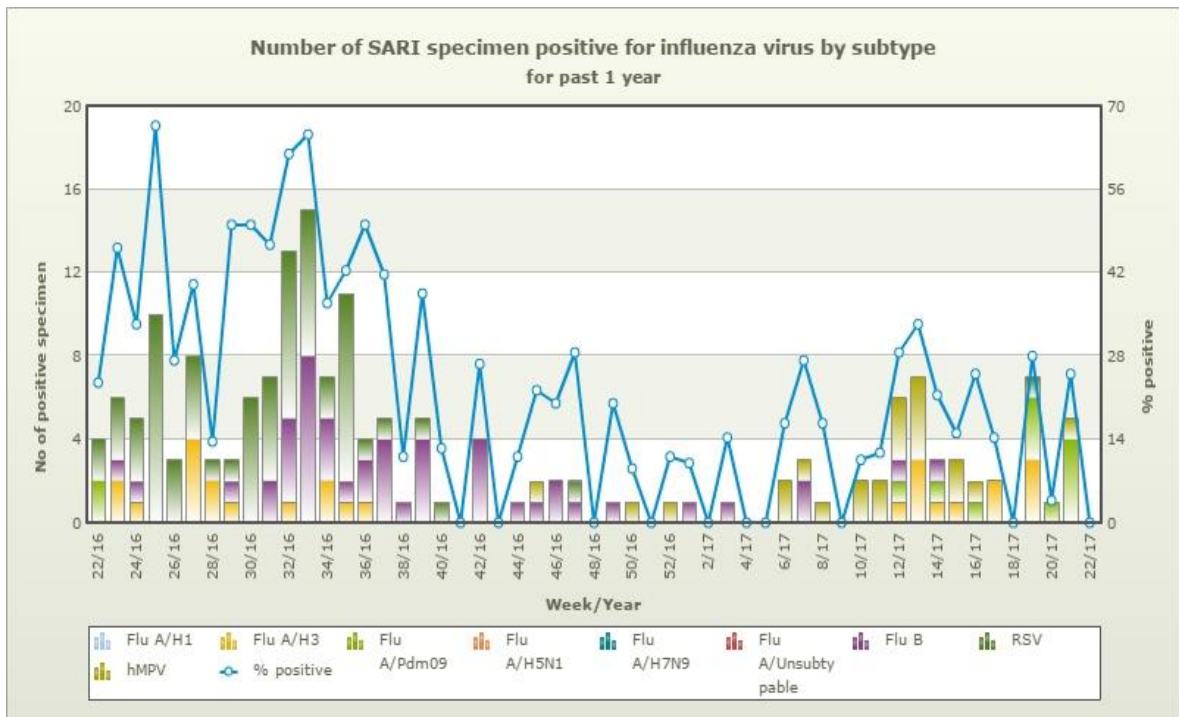
No Influenza virus was detected in this week. However; overall incidence of Influenza-like-illness (ILI) and Severe Acute Respiratory Infection (SARI) were 60/ 1000 outpatient visits and 10/ 100 hospitalized patients respectively.

**Virological Surveillance**

Out of twenty five respiratory specimens (ILI=7 & SARI = 4) received and tested for influenza viruses by Real Time RT PCR, no Influenza virus was detected (Figure 1 & 2).



**Figure 1: Trend of influenza virus subtypes by week detected from ILI cases (Note: data is till 22<sup>nd</sup> week)**



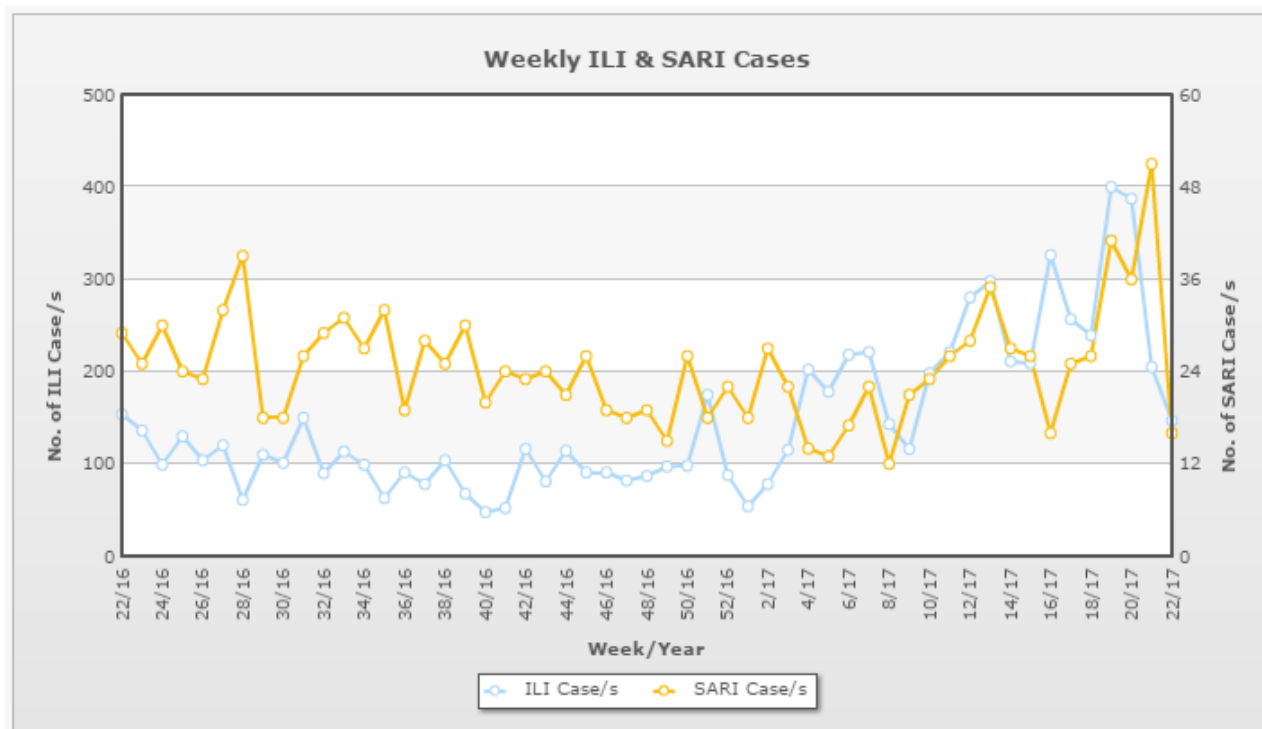
**Figure 2: Trend of influenza virus subtypes by week detected from SARI cases (Note: data is till 22<sup>nd</sup> week)**

## 1. Epidemiological Surveillance

### a) ILI and SARI sentinel Surveillance

ILI incidence in the sentinel sites for the week was 60 cases per 1000 outpatient visits, which increased significantly compared to the previous week (Figure 3). Paro Hospital has reported the highest ILI cases (107 cases) for the week.

SARI incidence in the sentinel sites for the week was 10 cases per 100 admitted cases, which is similar compared to the previous week (Figure 3). ERRH, Mongaral has reported highest cases (10) of SARI.



**Figure 3: Average number of ILI and SARI cases reported until week 22 (Data source: Online weekly reporting from sentinel sites).**

**Table 1: Number of ILI/ SARI cases reported by sites**

| Number of ILI/SARI cases reported and sample collected by sites for Week:22,2017 |           |                          |            |                          |
|--|-----------|--------------------------|------------|--------------------------|
| Surveillance sites   | ILI Cases | No. of Samples Collected | SARI Cases | No. of Samples Collected |
| Eastern Regional Referral Hospital, Monggar                                      | NA        | 0                        | 10         | 0                        |
| Jigme Dorji Wangchuk National Referral Hospital                                  | NA        | 2                        | 9          | 4                        |
| Paro Hospital  | 107       | 2                        | 3          | 0                        |
| Punakha Hospital   | NR        | 0                        | 3          | 0                        |
| Trongsa Hospital   | 2         | 2                        | NR         | 0                        |
| Phuentsholing Hospital   | NA        | 0                        | 2          | 0                        |
| Central Regional Referral Hospital, Gelephu                                      | NA        | 0                        | 1          | 0                        |
| Trashigang Hospital  | 7         | 0                        | 0          | 0                        |
| Damphu Hospital  | 31        | 1                        | 0          | 0                        |
| Samdrup Jongkhar Hospital  | 33        | 0                        | 2          | 0                        |
| Samtse Hospital  | 95        | 0                        | 1          | 0                        |

Note: NR, Not Reported and NA, Not Applicable

**b) Age distribution**

**Note:** (Data is preliminary and may change as more reports are received)Page3 of 5

ILI cases were commonly observed in age group 15-29 years, while SARI cases were commonly seen in 0-1 year.

**Table 2: Age categorization of influenza cases**

| Age categorization of influenza cases reported and laboratory confirmed for Week 22,2017 |                |                |                            |                 |
|--|----------------|----------------|----------------------------|-----------------|
| Age(Years)   | Reported Cases |                | Laboratory Confirmed Cases |                 |
|  | ILI Cases (%)  | SARI Cases (%) | ILI Cases(N=0)             | SARI Cases(N=0) |
| 0-1Y   | 9.39           | 41.94          | 0                          | 0               |
| 2-4Y   | 16.61          | 9.68           | 0                          | 0               |
| 5-14Y  | 29.24          | 6.45           | 0                          | 0               |
| 15-29Y   | 36.46          | 9.68           | 0                          | 0               |
| 30-64Y   | 5.05           | 19.35          | 0                          | 0               |
| 65+Y   | 3.25           | 12.9           | 0                          | 0               |

## 2. Influenza outbreak & investigated

No outbreak reported.

## 3. Death due to SARI/ Pneumonia

No death reported

**Note:** Following Clinicians, Laboratory staff and other Hospital staffs are currently involved in ILI surveillance in their respective sites as listed below;

| Sl. No. | Sentinel site | Name of Participants   | Designation            | Roles & Responsibility | Contact No. |
|---------|---------------|------------------------|------------------------|------------------------|-------------|
| 1       | Samtse        | DrRigden               | GDMO                   | Enroll ILI subject     | 17976143    |
| 2       |               | Dr. TandinWangyalDorji | GDMO                   | Enroll ILI subject     | 17584117    |
| 3       |               | Dil Maya               | Sr Lab Technician      | Sample collection      | 17697307    |
| 4       |               | PemTshering            | Sr. Lab Technician     | Sample collection      | 17781895    |
| 5       |               | RosneySubba            | Receptionist           | Report the case        | 17307164    |
| 6       |               | NgawangChogyal         | OT Technician          | Report the case        | 17687826    |
| 7       | Phuntsholing  | Pema Lhadon            | ENT Technician         | Enroll ILI subject     | 17751060    |
| 8       |               | Som Kumar Namchu       | Sr. Lab Technician     | Sample collection      | 77743637    |
| 9       |               | Dr. TashiTobgay        | GDMO                   | Enroll ILI subject     | 17852879    |
| 10      |               | Dr. ThinleyPelzang     | Medical superintendent | Enroll ILI subject     | 77459555    |
| 11      | Punakha       | Dr. ChoniWangmo        | CMO                    | Enroll ILI subject     | 17939580    |
| 12      |               | Dr. Tashi              | GDMO                   | Enroll ILI subject     |             |
| 13      |               | SherubThinley          | Lab Technician         | Sample collection      | 17654950    |
| 14      |               | NamgayDorji            | Clinical Officer       | Enroll ILI subject     | 17566377    |
| 15      |               | TsheringPhuntsho       | ENT Technician         | Report the case        | 77357521    |
| 16      |               | TandinGyeltshen        | Lab Technician         | Sample collection      | 17777431    |
| 17      |               | NamgayLham             | Staff Nurse-I          | Report the case        | 17741371    |
| 18      |               | DorjiTshering          | ENT Technician         | Report the case        | 17966702    |
| 19      | Tsirang       | DrTejNath Nepal        | Sr. Medical Officer    | Enroll ILI subject     | 17618007    |
| 20      |               | L.B Mothey             | HA                     | Enroll ILI subject     | 17744889    |
| 21      |               | SamdrupDorji           | Staff Nurse            | Report the case        | 16938313    |
| 22      |               | YeshiLhendup           | Sr. Lab Technician     | Sample collection      | 17643320    |
| 23      | Paro          | Dr.UgyenWangdi         | CMO                    | Enroll ILI subject     | 17733500    |
| 24      |               | SonamYangzom           | Clinical Officer       | Enroll ILI subject     | 17610524    |
| 25      |               | Karma Dorji            | Sr. Lab Technician     | Sample collection      | 17676359    |
| 26      |               | Karma Thinley          | Sr. Lab Technician     | Sample collection      | 17606600    |

**Note:** (Data is preliminary and may change as more reports are received)Page4 of 5

|    |            |                   |                       |                    |          |
|----|------------|-------------------|-----------------------|--------------------|----------|
| 27 | Mongar     | Dr. Sangay        | GDMO                  | Enroll ILI subject | 17751637 |
| 28 |            | Dr. KinzangWangdi | GDMO                  | Enroll the subject | 77255445 |
| 29 |            | Damcho            | Sr Lab Technician     | Sample collection  | 17708074 |
| 30 |            | GopalSanyasi      | Lab Technician        | Sample collection  | 17373448 |
| 31 | Trashigang | Dr. SonamPelmo    | GDMO                  | Enroll ILI subject |          |
| 32 |            | Dr. SonamYeshi    | GDMO                  | Enroll the subject | 17327178 |
| 33 |            | NidupZangmo       | Lab Technician        | Sample collection  | 17648033 |
| 34 |            | Shankar Raj       | Staff Nurse           | Report the case    | 17984354 |
| 35 |            | TsheringDorji     | Lab Officer           | Sample collection  | 17923909 |
| 36 | PemaZangpo | Ortho Technician  | Report the case       | 17784843           |          |
| 37 | Gelephu    | JigmeDukpa        | Clinical Officer      | Enroll ILI subject | 17660030 |
| 38 |            | Dr. SherubWangdi  | GDMO                  | Enroll ILI subject | 17327175 |
| 39 |            | PemaDendup        | Lab Technician        | Sample collection  | 17968047 |
| 40 |            | Vishal Chetri     | Lab Technologist      | Sample collection  | 17422825 |
| 41 |            | BalBdrMongar      | Lab Technician        | Sample collection  | 17871974 |
| 42 | Thimphu    | Dr. Suresh Mothey | GDMO                  | Enroll ILI subject | 17946181 |
| 43 |            | TashiTsheten      | Lab Technician        | Sample collection  | 17977790 |
| 44 | Trongsa    |                   |                       |                    |          |
| 45 |            | TashiNorbu        | Staff Nurse-III       | Enroll ILI subject | 17714987 |
| 46 |            | Mon BdrPakhring   | Lab Technician        | Sample collection  | 17635595 |
| 47 |            | Suk BirRai        | Staff Nurse           | Report the case    | 17655099 |
| 48 |            | ChimiWangmo       | Lab Technician        | Sample Collection  | 17412689 |
| 49 |            | SangayDorji       | Staff Nurse           | Report the case    | 17873597 |
| 50 | S/Jongkhar | Dr. KezangWangdi  | Medical Officer       | Enroll ILI subject | 17951848 |
| 51 |            | Karma Choden      | Lab Technician        | Sample collection  | 17376632 |
| 52 |            | TashiSonam        | Lab Technician        | Sample collection  | 17803084 |
| 53 |            | NasemaRehima      | Pharmacist Technician | Report the case    | 17656685 |