



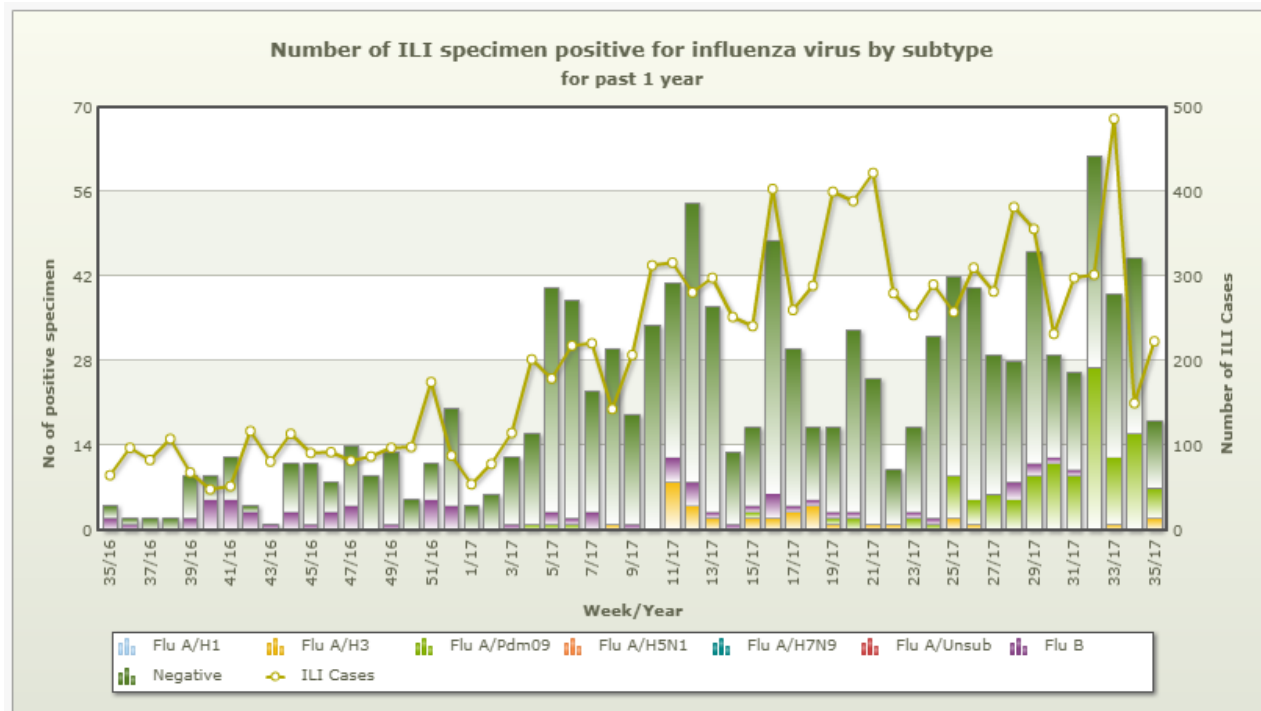
**Influenza-like-illness (ILI) and Severe Acute Respiratory Infection (SARI) surveillance, Week 35**  
**(27<sup>th</sup> August – 3<sup>rd</sup> Sept) 2017**

**Synopsis**

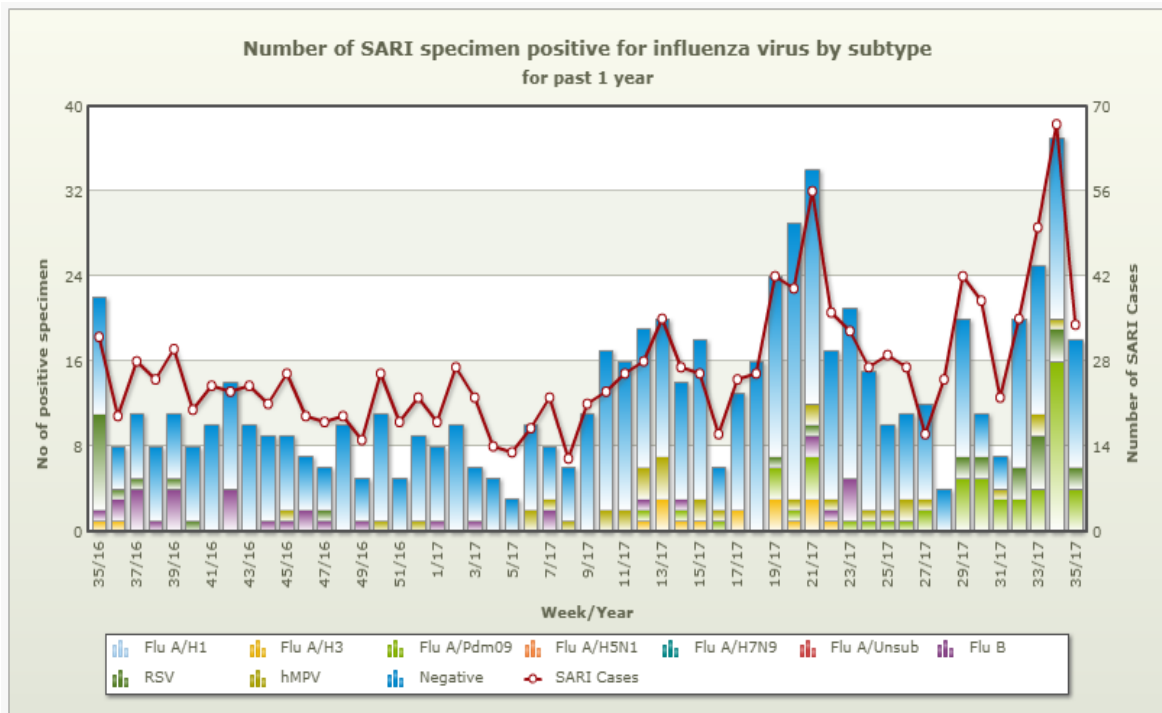
The predominant seasonal Influenza strain circulated in this week was Influenza A/pdm 09. However; overall incidence of Influenza-like-illness (ILI) and Severe Acute Respiratory Infection (SARI) were 36/ 1000 outpatient visits and 13/ 100 hospitalized patients respectively.

**Virological Surveillance**

Out of thirty six respiratory specimens (ILI=18 & SARI = 18) received and tested for influenza viruses by Real Time RT PCR, Influenza A/pdm 09 (H1N1) was predominantly detected (Figure 1 & 2). The predominant subtypes were found to have circulated in Central and West regions (Figure 3).



**Figure 1: Trend of influenza virus subtypes by week detected from ILI cases (Note: data is till 35<sup>th</sup> week)**



**Figure 2: Trend of influenza virus subtypes by week detected from SARI cases (Note: data is till 35<sup>th</sup>week)**



**Figure 3: Distribution of Influenza subtypes for week 35**

**1. Epidemiological Surveillance**

**a) ILI and SARI sentinel Surveillance**

ILI incidence in the sentinel sites for the week was 36 cases per 1000 outpatient visits, which is similar compared to the previous week (Figure 4). Damphu Hospital has reported the highest ILI cases (130 cases) for the week.

**Note:** (Data is preliminary and may change as more reports are received)Page2 of 5

SARI incidence in the sentinel sites for the week was 13 cases per 100 admitted cases, which has decreased compared to the previous week (Figure 4). JDWNR hospital has reported highest cases (19) of SARI.

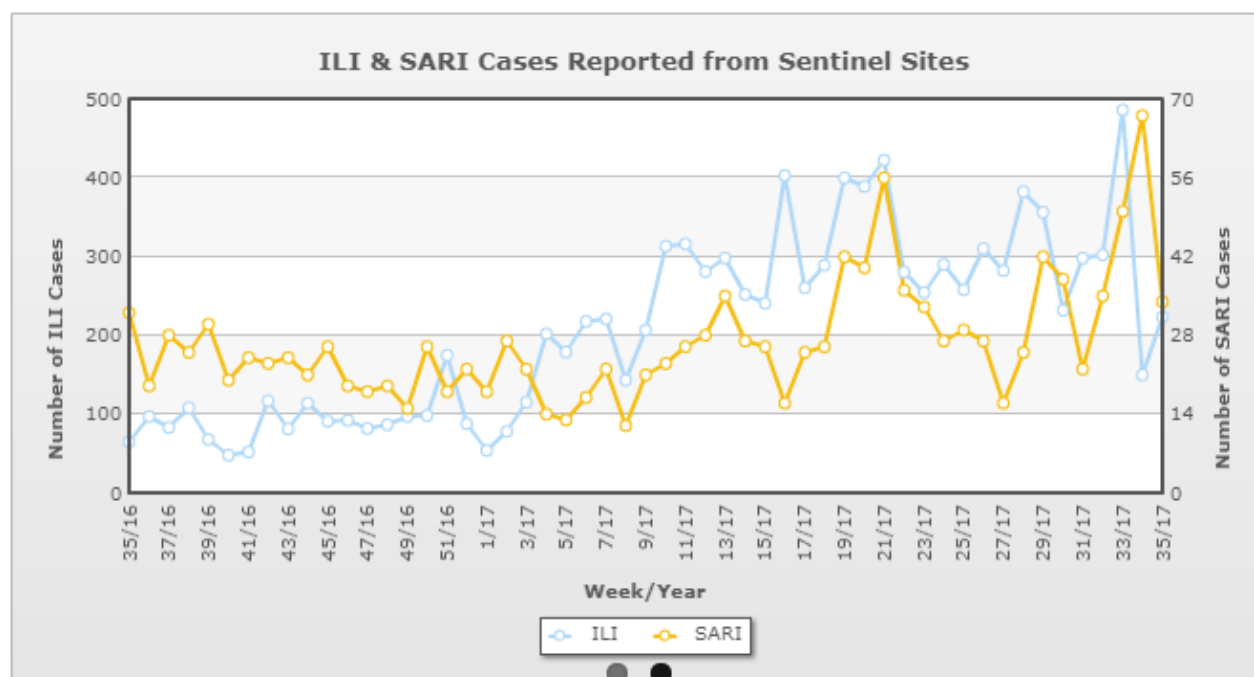


Figure 3: Average number of ILI and SARI cases reported until week 35(Data source: Online weekly reporting from sentinel sites).

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

Number of ILI/SARI cases reported and sample collected by sites for Week:35,2017				
Surveillance sites	ILI Cases	No. of Samples Collected	SARI Cases	No. of Samples Collected
Eastern Regional Referral Hospital, Monggar	NA	1	3	0
Jigme Dorji Wangchuk National Referral Hospital	NA	0	19	17
Paro Hospital	26	0	NR	0
Punakha Hospital	49	7	2	2
Trongsa Hospital	0	0	3	0
Phuentsholing Hospital	NA	2	1	1
Central Regional Referral Hospital, Gelephu	NA	0	0	0
Trashigang Hospital	10	0	2	0
Damphu Hospital	130	9	NR	0
Samdrup Jongkhar Hospital	5	5	3	0
Samtse Hospital	NR	0	1	0

Note: NR, Not Reported and NA, Not Applicable

### b) Age distribution

ILI cases were commonly observed in age group 15-29 years, while SARI cases were commonly seen in 0-1 year. There have been both laboratory SARI and ILI confirmed cases (Table 2).

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

Age categorization of influenza cases reported and laboratory confirmed for Week 35, 2017				
Age(Years)	Reported Cases		Laboratory Confirmed Cases	
	ILI Cases (%)	SARI Cases (%)	ILI Cases(N=7)	SARI Cases(N=6)
0-1Y	11.66	32.35	0	3
2-4Y	14.35	20.59	4	1
5-14Y	18.83	23.53	3	1
15-29Y	28.25	2.94	0	0
30-65Y	19.73	8.82	0	0
65+Y	7.17	11.76	0	1

### 2. Influenza outbreak & investigated

There has been flu outbreak in PemaGatshel Middle Secondary School and Influenza A/pdm 09 has been detected as the cause of the outbreak.

### 3. Death due to SARI/ Pneumonia

No death reported

### 4. Non-Influenza respiratory viruses

Respiratory syncytial virus (RSV) was detected from two pediatric cases from JDWNRH.

**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	PemaLhadon	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					

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

19					
20	Tsirang	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
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		JigmeDukpa	Clinical Officer	Enroll ILI subject	17660030
38	Gelephu	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					
45	Trongsa	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