



## Chinese Weekly Influenza Surveillance Report

July 1 to 7, 2024 (Week 27)

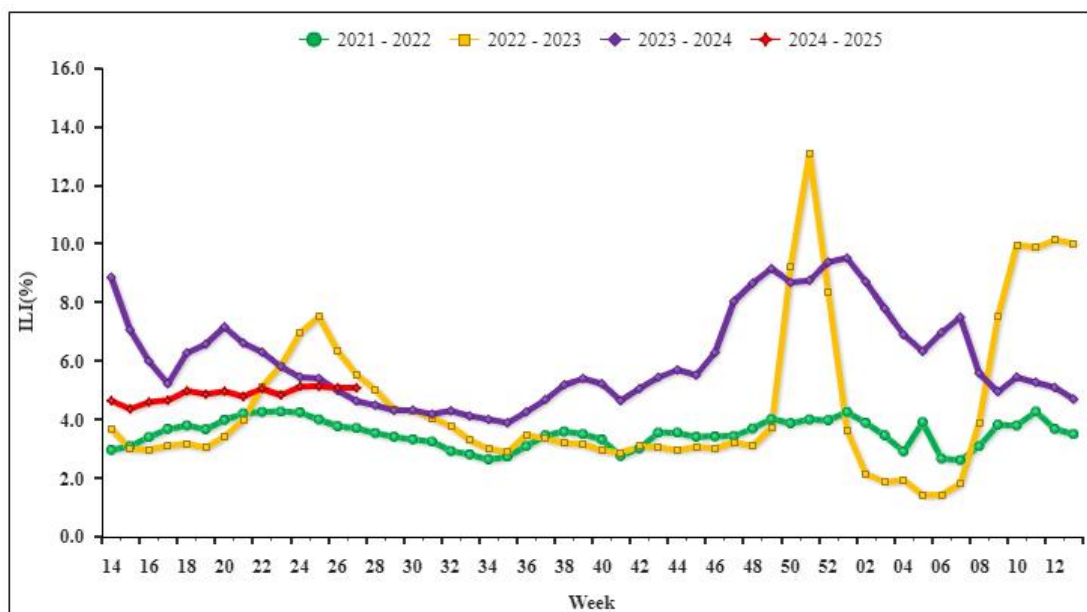
(All data are preliminary and may change as more reports are received)

### Summary

- Influenza detections were increasing in the southern provinces and similar to last week in the northern provinces, A(H1N1)pdm09 was predominated, followed by A(H3N2) and B/Victoria. There were 5 ILI outbreaks reported in week 27.
- Among influenza viruses antigenically characterized by CNIC since April 1, 2024, 497(97.6%) influenza A(H1N1)pdm09 viruses were characterized as A/Victoria/4897/2022-like; 318(56.8%) influenza A(H3N2) viruses were characterized as A/Thailand/8/2022(egg)-like, 349(62.3%) influenza A(H3N2) viruses were characterized as A/Thailand/8/2022(cell)-like; 903(99.0%) influenza B/Victoria viruses were characterized as B/Austria/1359417/2021-like.
- Among the influenza viruses tested by CNIC for antiviral resistance analysis since April 1, 2024, all but 4 influenza A(H1N1)pdm09 were sensitive to neuraminidase inhibitors, all A(H3N2) and B viruses were sensitive to neuraminidase inhibitors; all A(H1N1)pdm09, A(H3N2) and B viruses were sensitive to endonuclease inhibitors.

### Surveillance of outpatient or emergency visits for Influenza-like Illness (ILI)

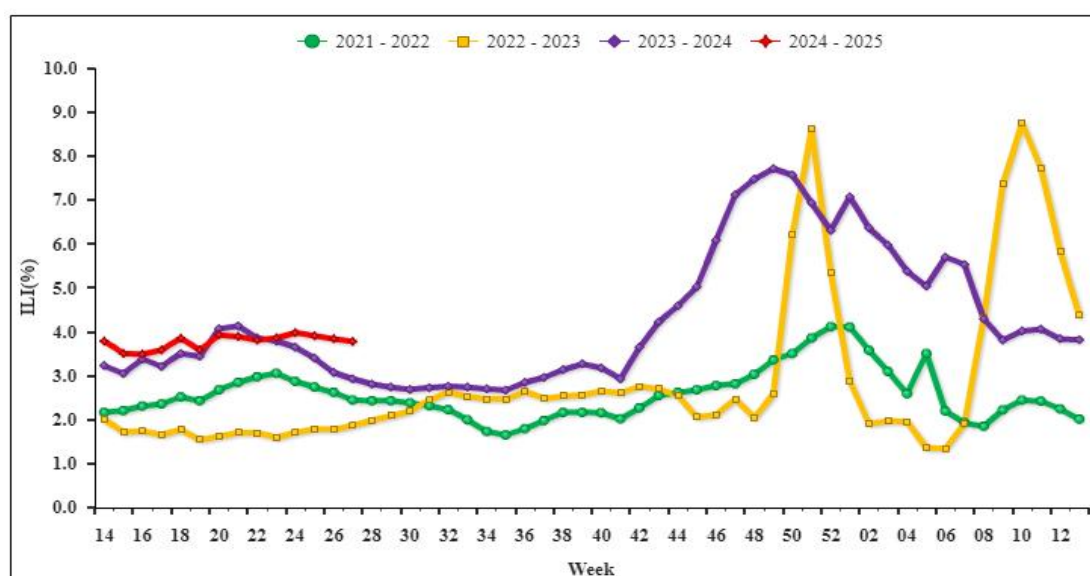
During week 27, the percentage of outpatient or emergency visits for ILI (ILI%) at national sentinel hospitals in southern provinces was 5.1%, the same as the last week (5.1%), higher than the same week of 2021 and 2023(3.7% and 4.6%), lower than the same week of 2022(5.5%). (Figure 1)



**Figure 1. Percentage of Visits for ILI at Sentinel Hospitals in Southern Provinces**

**Note:** Analysis in this part was based on data from sentinel hospitals belong to national influenza surveillance network.

During week 27, ILI% at national sentinel hospitals in northern provinces was 3.8%, the same as the last week (3.8%), higher than the same week of 2021~2023(2.5%, 1.9% and 2.9%). (Figure 2)



**Figure 2. Percentage of Visits for ILI at Sentinel Hospitals in Northern Provinces**

**Note:** Analysis in this part was based on data from sentinel hospitals belong to national influenza surveillance network.

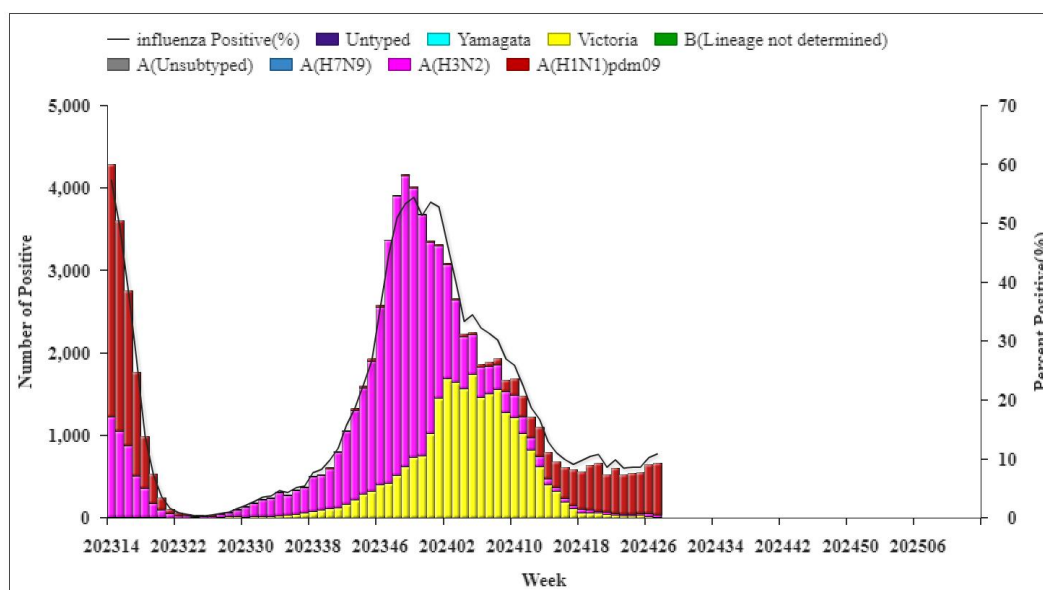


## Virologic Surveillance

During week 27, influenza network laboratories tested 8193 specimens, there were 691 positive detections for influenza. The number and proportion of influenza types and subtypes detected in southern and northern provinces were shown in Table1.

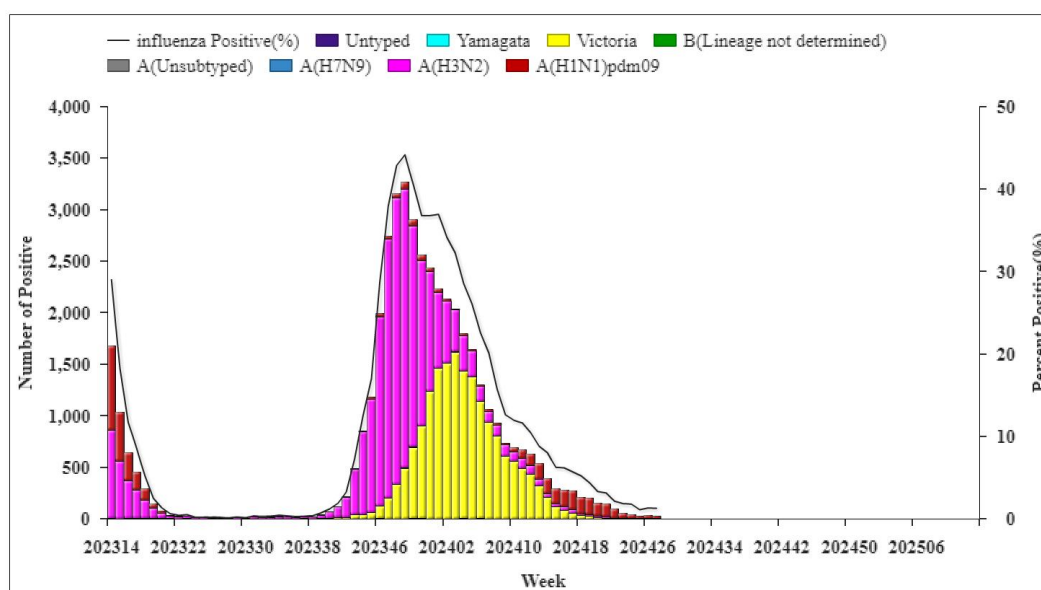
**Table 1 Laboratory Detections of ILI Specimens (Week 27, 2024)**

	Week 27		
	Southern provinces	Northern provinces	Total
<b>No. of specimens tested</b>	<b>6131</b>	<b>2062</b>	<b>8193</b>
<b>No. of positive specimens (%)</b>	<b>665(10.8%)</b>	<b>26(1.3%)</b>	<b>691(8.4%)</b>
<b>Influenza A</b>	<b>655(98.5%)</b>	<b>25(96.2%)</b>	<b>680(98.4%)</b>
A(H1N1)pdm09	630(96.2%)	21(84.0%)	651(95.7%)
A(H3N2)	25(3.8%)	4(16.0%)	29(4.3%)
A (subtype not determined)	0	0	0
<b>Influenza B</b>	<b>10(1.5%)</b>	<b>1(3.8%)</b>	<b>11(1.6%)</b>
B (lineage not determined)	0	0	0
Victoria	10(100%)	1(100%)	11(100%)
Yamagata	0	0	0



**Figure 3. Influenza Positive Tests Reported by Southern Network Laboratories (Week 14, 2023–Week 13, 2025)**

**Note:** Analysis in this part was based on the test results of network laboratories. If it were not consistent with the results of CNIC confirmation, the results of CNIC confirmation were used.



**Figure 4. Influenza Positive Tests Reported by Northern Network Laboratories (Week 14, 2023–Week 13, 2025)**

**Note:** Analysis in this part was based on the result of network laboratories. If it were not consistent with the results of CNIC confirmation, the results of CNIC confirmation were used.



### **Antigenic Characterization**

Since April 1, 2024, 497(97.6%) influenza A(H1N1)pdm09 viruses were characterized as A/Victoria/4897/2022-like; 318(56.8%) influenza A(H3N2) viruses were characterized as A/Thailand/8/2022(egg)-like, 349(62.3%) influenza A(H3N2) viruses were characterized as A/Thailand/8/2022(cell)-like; 903(99.0%) influenza B/Victoria viruses were characterized as B/Austria/1359417/2021-like.

### **Antiviral Resistance**

Since April 1, 2024, among the influenza viruses tested by CNIC for antiviral resistance, all but 4 influenza A(H1N1)pdm09 were sensitive to neuraminidase inhibitors, all A(H3N2) and B viruses were sensitive to neuraminidase inhibitors; all A(H1N1)pdm09, A(H3N2) and B viruses were sensitive to endonuclease inhibitors.

### **Outbreak Surveillance**

During week 27, there were 5 ILI outbreaks reported nationwide. Among them, 4 were A(H1N1)pdm09, 1 was negative for flu.