



## Chinese Weekly Influenza Surveillance Report

April 8 to April 14, 2024 (Week 15)

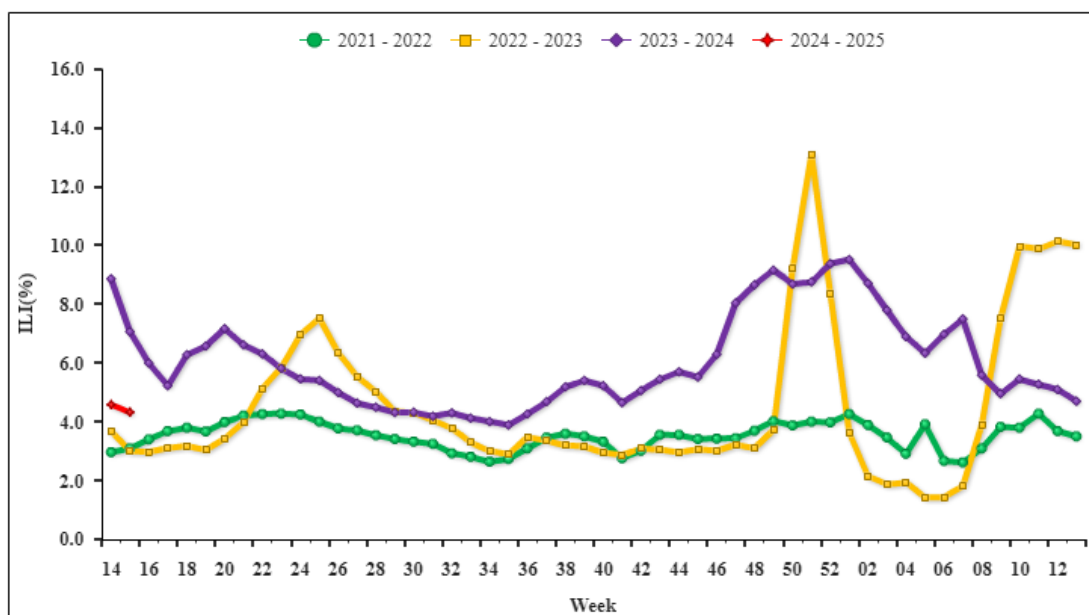
(All data are preliminary and may change as more reports are received)

### Summary

- Influenza detections were decreasing in the southern provinces and northern provinces in this week, A(H1N1)pdm09 and B/Victoria were predominated, followed by A(H3N2). There were 4 ILI outbreaks reported in week 15.
- Among influenza viruses antigenically characterized by CNIC since October 2, 2023, 113(96.6%) influenza A(H1N1)pdm09 viruses were characterized as A/Victoria/4897/2022-like; 868(37.9%) influenza A(H3N2) viruses were characterized as A/Darwin/9/2021(egg)-like, 812(35.4%) influenza A(H3N2) viruses were characterized as A/Darwin/6/2021(cell)-like; 2085(99.1%) influenza B/Victoria viruses were characterized as B/Austria/1359417/2021-like.
- Among the influenza viruses tested by CNIC for antiviral resistance analysis since October 2, 2023, all but 1 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)

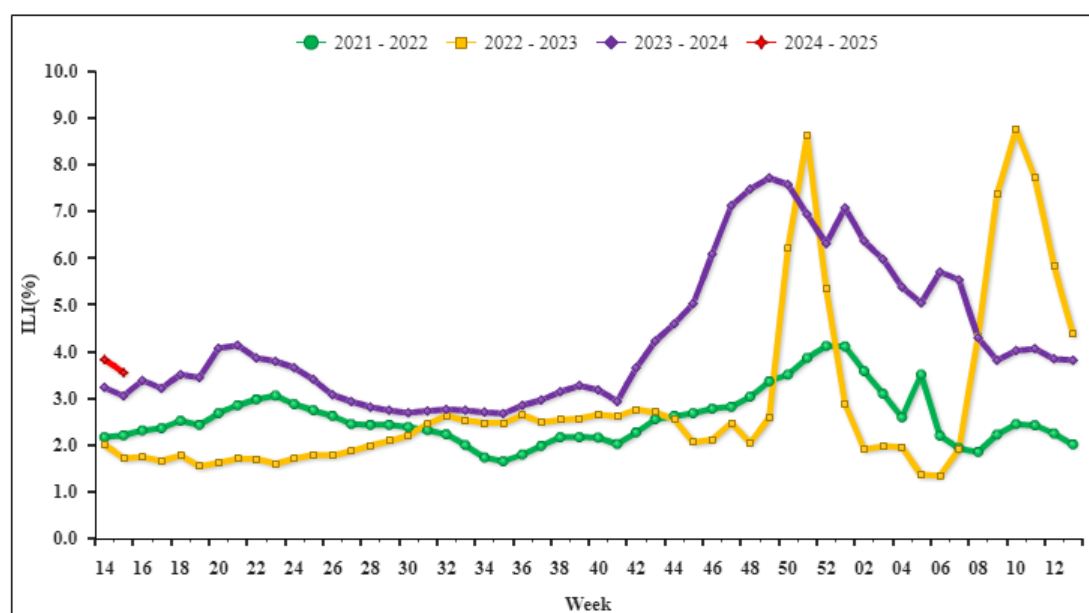
During week 15, the percentage of outpatient or emergency visits for ILI (ILI%) at national sentinel hospitals in southern provinces was 4.3%, lower than the last week (4.6%), higher than the same week of 2021 ~ 2022(3.1% and 3.0%), lower than the same week of 2023(7.1%). (Figure 1)



**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 15, ILI% at national sentinel hospitals in northern provinces was 3.6%, lower than the last week (3.8%), higher than the same week of 2021~2023(2.2%, 1.7%and 3.1%). (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

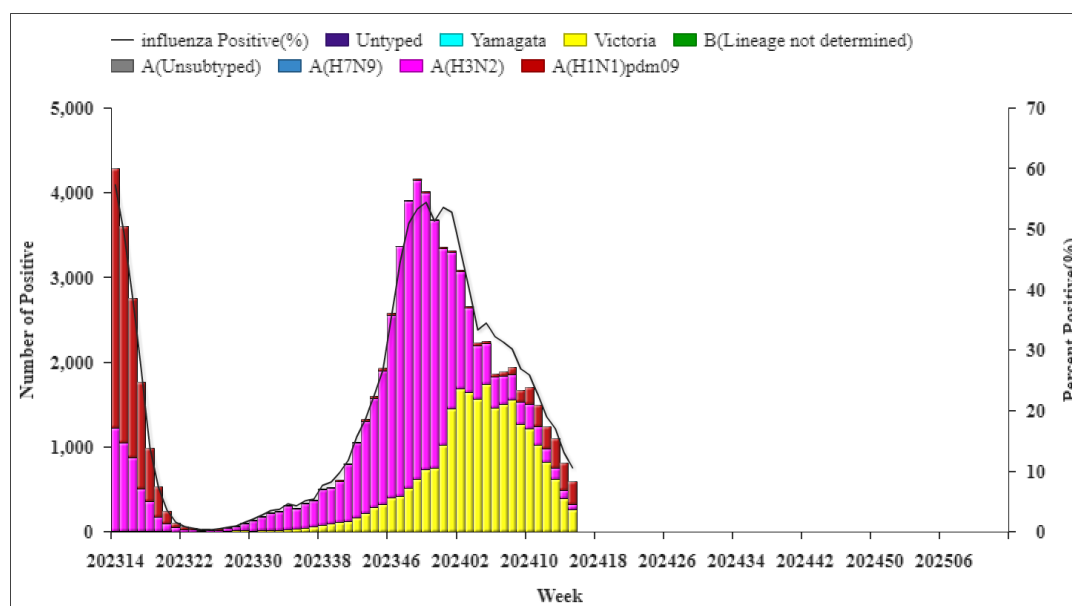


## Virologic Surveillance

During week 15, influenza network laboratories tested 9829 specimens, there were 827 positive detections for influenza. The number and proportion of influenza types and subtypes detected in southern and northern provinces were shown in Table 1.

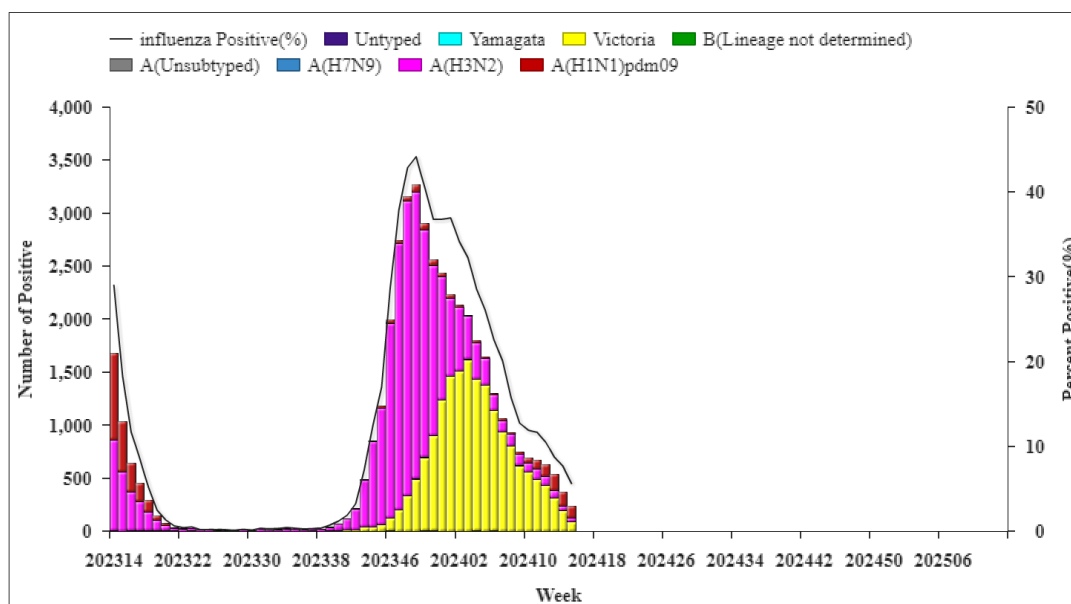
**Table 1 Laboratory Detections of ILI Specimens (Week 15, 2024)**

	Week 15		
	Southern provinces	Northern provinces	Total
<b>No. of specimens tested</b>	<b>5607</b>	<b>4222</b>	<b>9829</b>
<b>No. of positive specimens (%)</b>	<b>591(10.5%)</b>	<b>236(5.6%)</b>	<b>827(8.4%)</b>
<b>Influenza A</b>	<b>328(55.5%)</b>	<b>146(61.9%)</b>	<b>474(57.3%)</b>
A(H3N2)	56(17.1%)	32(21.9%)	88(18.6%)
A(H1N1)pdm09	272(82.9%)	114(78.1%)	386(81.4%)
A (subtype not determined)	0	0	0
<b>Influenza B</b>	<b>263(44.5%)</b>	<b>90(38.1%)</b>	<b>353(42.7%)</b>
B (lineage not determined)	0	1(1.1%)	1(0.3%)
Victoria	263(100%)	89(98.9%)	352(99.7%)
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 October 2, 2023, 113(96.6%) influenza A(H1N1)pdm09 viruses were characterized as A/Victoria/4897/2022-like; 868(37.9%) influenza A(H3N2) viruses were characterized as A/Darwin/9/2021(egg)-like, 812(35.4%) influenza A(H3N2) viruses were characterized as A/Darwin/6/2021(cell)-like; 2085(99.1%) influenza B/Victoria viruses were characterized as B/Austria/1359417/2021-like.

## **Antiviral Resistance**

Since October 2, 2023, among the influenza viruses tested by CNIC for antiviral resistance, all but 1 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 15, there were 4 ILI outbreaks reported nationwide. Among them, 2 were A(H1N1)pdm09, 1 was mixed, 1 was negative for flu.