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Chinese Weekly Influenza Surveillance Report

May 5 to 11, 2025 (Week 19)

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

Summary

- Influenza activity in the southern provinces and northern provinces was low. There was no ILI outbreak reported in this week.
- Among influenza viruses antigenically characterized by CNIC since October 1, 2024, 3382(98.6%) influenza A(H1N1)pdm09 viruses were characterized as A/Victoria/4897/2022-like; 65(62.5%) influenza A(H3N2) viruses were characterized as A/Thailand/8/2022(egg)-like, 61(58.7%) influenza A(H3N2) viruses were characterized as A/Thailand/8/2022(cell)-like; 141(97.2%) 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 1, 2024, all but 99 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 19, the percentage of outpatient or emergency visits for ILI (ILI%) at national sentinel hospitals in southern provinces was 4.1%, lower than the last week (4.2%), higher than the same week of 2022 (3.1%), lower than the same week of 2023~2024 (6.7% and 5.4%). (Figure 1)

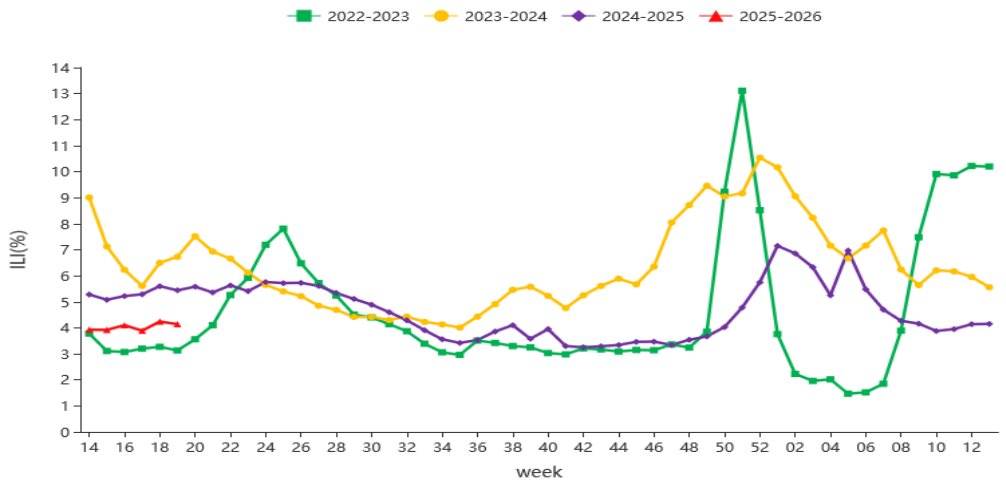

Figure 1. Percentage of Visits for ILI at Sentinel Hospitals in Southern Provinces

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

During week 19, ILI% at national sentinel hospitals in northern provinces was 3.1%, lower than the last week (3.4%), higher than the same week of 2022 (1.6%), lower than the same week of 2023~2024 (3.6% and 3.5%). (Figure 2)

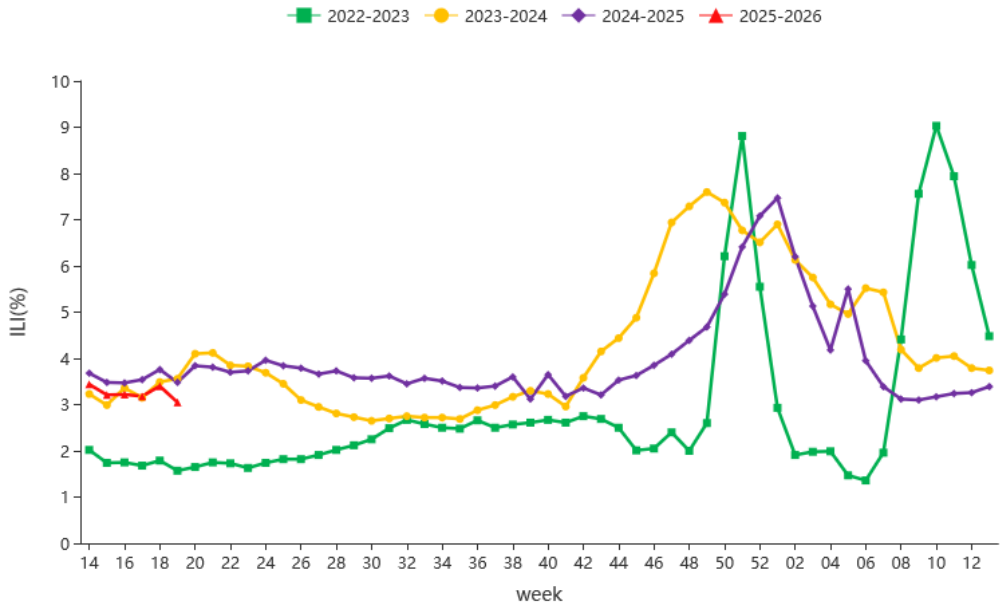

Figure 2. Percentage of Visits for ILI at Sentinel Hospitals in Northern Provinces

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

Virologic Surveillance

During week 19 of 2025, influenza network laboratories tested 13486 specimens, there were 166 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 19, 2025)

	Week 19		
	Southern provinces	**Northern provinces**	**Total**
No. of specimens tested	**10426**	**3060**	**13486**
No. of positive specimens (%)	**72(0.7%)**	**94(3.1%)**	**166(1.2%)**
Influenza A	**56(77.8%)**	**84(89.4%)**	**140(84.3%)**
A(H1N1)pdm09	30(53.6%)	17(20.2%)	47(33.6%)
A(H3N2)	26(46.4%)	67(79.8%)	93(66.4%)
A (subtype not determined)	0	0	0
Influenza B	**16(22.2%)**	**10(10.6%)**	**26(15.7%)**
B (lineage not determined)	0	0	0
Victoria	16(100.0%)	10(100.0%)	26(100.0%)
Yamagata	0	0	0

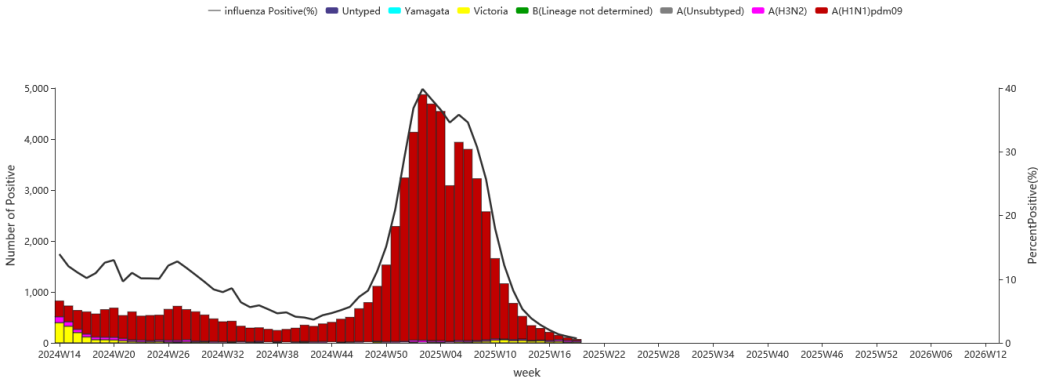

Figure 3. Influenza Positive Tests Reported by Southern Network Laboratories (Week 14, 2024–Week 13, 2026)

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.

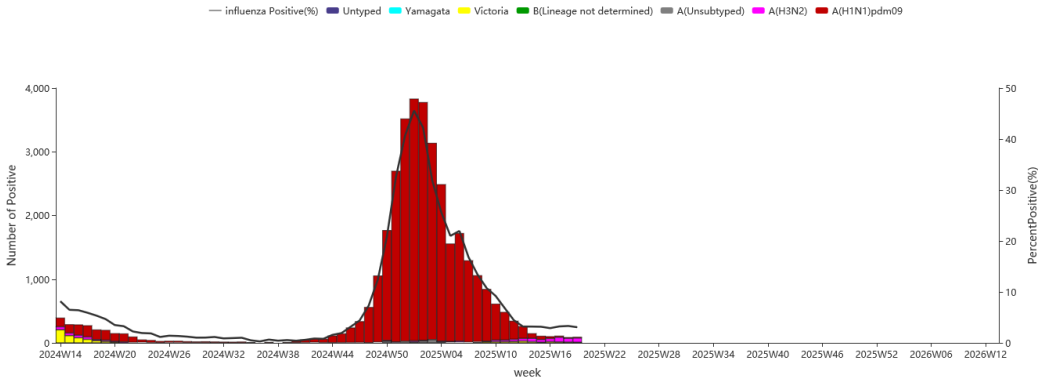

Figure 4. Influenza Positive Tests Reported by Northern Network Laboratories (Week 14, 2024–Week 13, 2026)

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 1, 2024, 3382(98.6%) influenza A(H1N1)pdm09 viruses were characterized as A/Victoria/4897/2022-like; 65(62.5%) influenza A(H3N2) viruses were characterized as A/Thailand/8/2022(egg)-like, 61(58.7%) influenza A(H3N2) viruses were characterized as A/Thailand/8/2022(cell)-like; 141(97.2%) influenza B/Victoria viruses were characterized as B/Austria/1359417/2021-like.

Antiviral Resistance

Since October1, 2024, among the influenza viruses tested by CNIC for antiviral resistance, all but 99 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 19, there was no ILI outbreak reported nationwide.