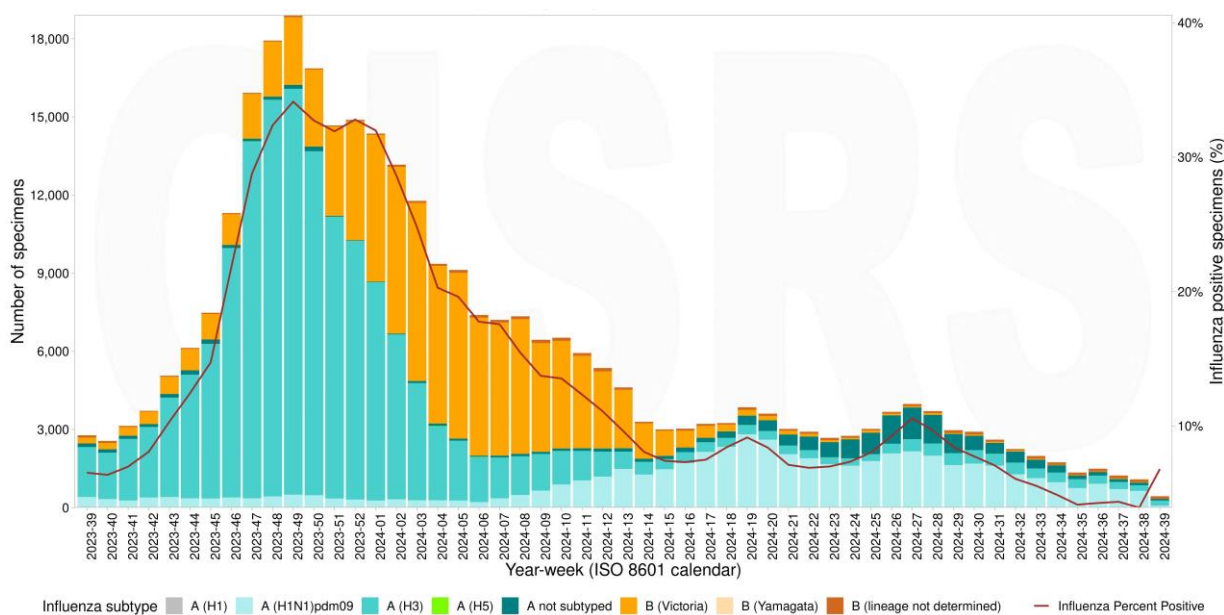


Virological Surveillance Summary

The total number of specimens and number of positive specimens reported to FluNet by Western Pacific Region countries and areas between week 1 and week 39 of 2024 are presented in Table 1 below. Influenza A and B are co-circulating, with Influenza A(H1N1)pdm09 dominating in recent weeks (**Figure 1**). Caution should be taken when interpreting this data as there are reporting delays.

Table 1: Cumulative data reported to FluNet from Western Pacific Region, week 1 to week 39, 2024

Country (most recent week of report)	Total number of specimens processed	Total number of influenza-positive specimens
Australia (39 of 2024)	197,633	14,965
Brunei Darussalam (39 of 2024)	1,382	217
Cambodia (31 of 2024)	3366	522
China (38 of 2024)	1,268,873	146,782
Fiji (38 of 2024)	1,222	151
Japan (37 of 2024)	-	3,112
Lao People's Democratic Republic (39 of 2024)	3,016	379
Malaysia (39 of 2024)	37,198	5,854
Mongolia (36 of 2024)	3,082	477
New Caledonia (39 of 2024)	1,586	65
New Zealand (38 of 2024)	2,822	626
Papua New Guinea (39 of 2024)	471	76
Philippines (39 of 2024)	3,294	312
Republic of Korea (38 of 2024)	13,003	1,025
Singapore (38 of 2024)	9,506	2,201
Viet Nam (39 of 2024)	3,440	899
Grand Total	1,549,894	177,663



The chart above is displayed for WPR in all sites for year-weeks (ISO 8601) 2023-39 to 2024-39

Figure 1: Number of specimens positive for influenza by subtype, Western Pacific Region, week 39, 2023 to week 39, 2024 (Source: [WHO FLUNET](https://www.who.int/flu-net))

Influenza surveillance summary

Influenza surveillance in the WHO Western Pacific Region is based on outpatient and inpatient indicator-based surveillance (IBS) systems, as well as event-based surveillance. Case definitions, population groups included, and data formats differ among countries. This influenza surveillance summary includes countries and areas where routine IBS is conducted, and information is available.

The [WHO surveillance case definition](#) for influenza-like illness (ILI) is an acute respiratory infection with a measured fever of $\geq 38^{\circ}\text{C}$ and cough, with symptom onset within the last 10 days. For SARI, it is an acute respiratory infection (ARI) with a history of fever or measured fever of $\geq 38^{\circ}\text{C}$ and cough, with symptom onset within 10 days that requires hospitalization.

Sentinel site data should be interpreted with caution since the number of sites reporting may vary between weeks.

Countries in the temperate zone of the Northern Hemisphere

In countries within the temperate zone of the Northern Hemisphere, ILI and influenza activity are similar to the corresponding period from previous years.

Outpatient ILI Surveillance

[China \(North\)](#)

During week 38 (16 to 22 September 2024), sentinel hospitals in the northern provinces reported ILI rate at 3.6%, higher than the last week (3.4%), higher than the same week of 2021-2023 (2.2%, 2.5% and 3.2%) (**Figure 2**).

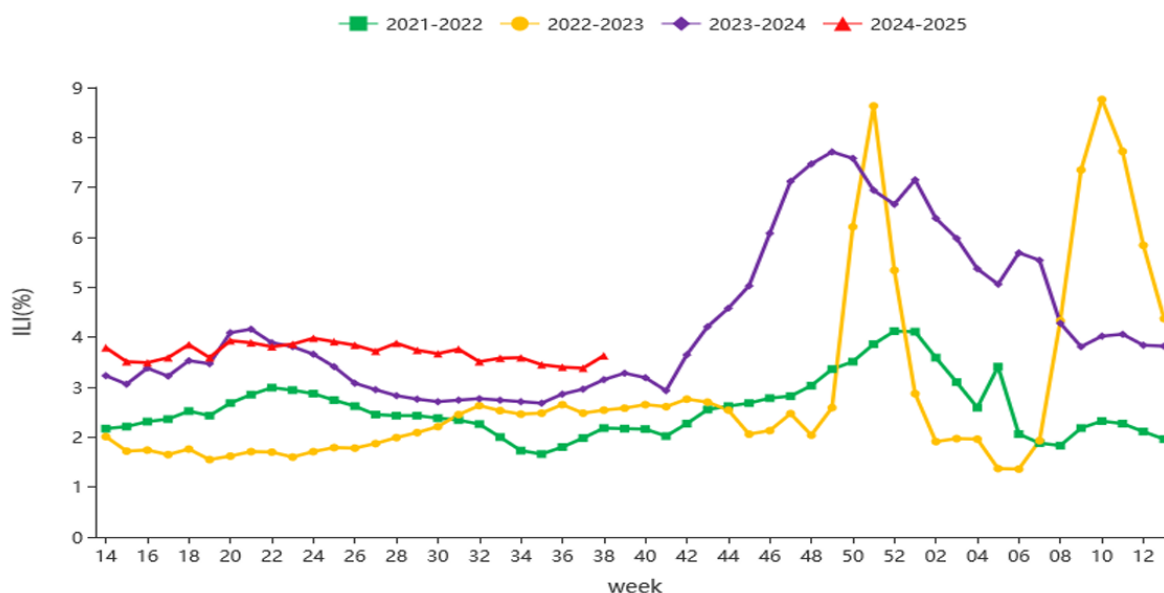
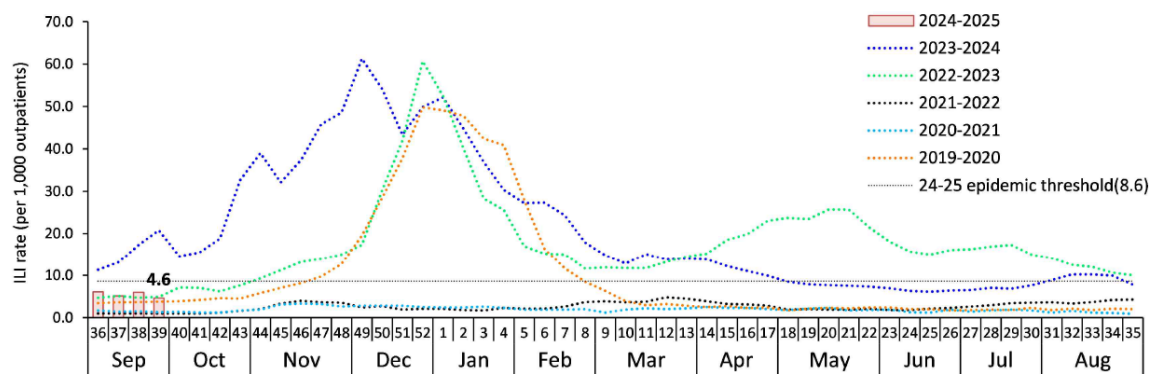


Figure 2: Percentage of visits for ILI at sentinel hospitals in northern China, 2020-2024 (as of week 38)
(Source: Chinese National Influenza Center)

Republic of Korea

In week 39 (22 to 28 September 2024), the overall weekly ILI rate was 4.6 per 1,000 outpatient visits, which was lower than the previous week (6.0 in week 38) (**Figure 3**).



※ 2024–2025 season epidemic threshold: 8.6 cases (/1,000)

Figure 3: Weekly ILI incidence rate per 1,000 outpatient consultations, Republic of Korea, 2019 (from week 36-52)-2024 (as of week 39)

([Source](#): Korea Disease Control and Prevention Agency).

Sentinel influenza surveillance

Japan

In week 38 of 2024, the weekly number of cases reported by sentinel hospital sites in Japan remains low. (**Figure 4**).

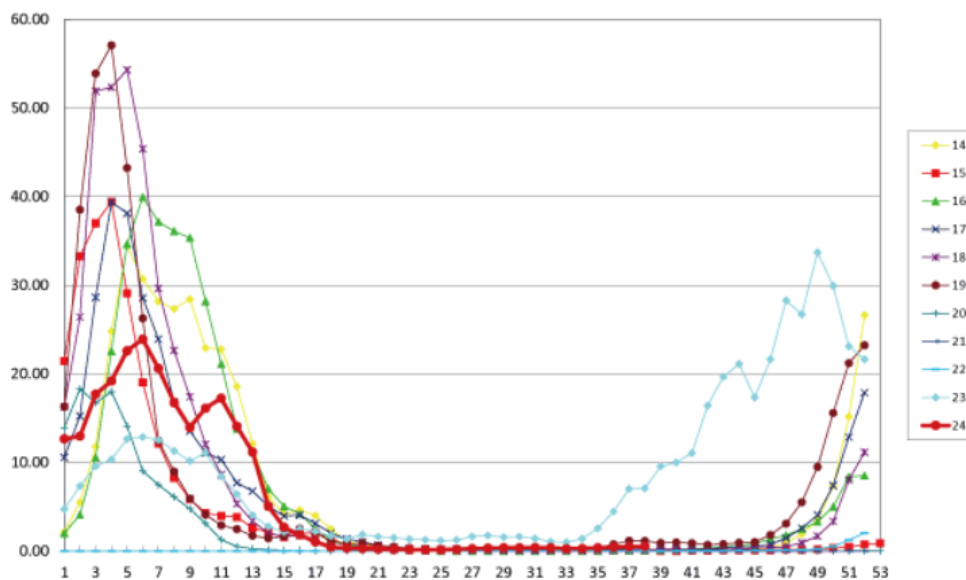


Figure 4: Weekly number of influenza cases reported per reporting sentinel hospital site, Japan 2014-2024

([Source](#): Japan National Institute of Infectious Diseases)

Countries/areas in the tropical zone

ILI and influenza activity is similar to the corresponding period from previous years in some of the countries and areas in the tropical zone.

Hong Kong SAR (China) – ILI and hospital Surveillance

In week 39, the average consultation rate for influenza-like illness (ILI) among sentinel general outpatient clinics (GOPC) was 3.7 ILI cases per 1,000 consultations, which was lower than 4.3 recorded in the previous week (**Figure 5**). The average consultation rate for ILI among sentinel private medical practitioner (PMP) clinics was 35.3 ILI cases per 1,000 consultations, which was lower than 49.9 recorded in the previous week (**Figure 6**).

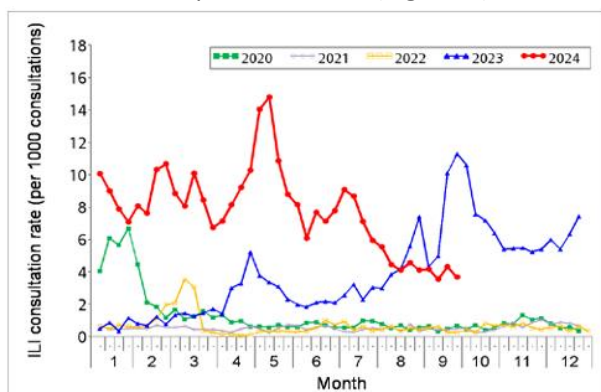


Figure 5: ILI consultation rates at sentinel general outpatient clinics, Hong Kong SAR 2020-2024

(Source: Hong Kong Centre for Health Protection)

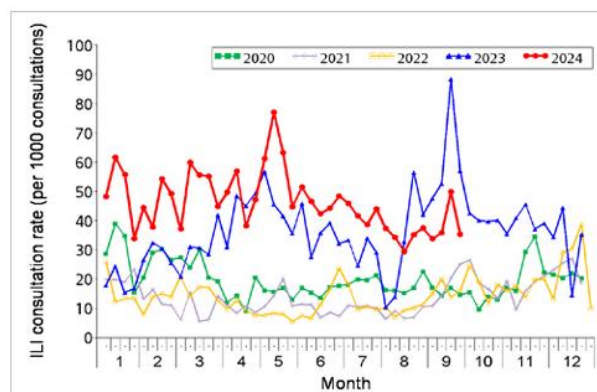


Figure 6: ILI consultation rates at sentinel private medical practitioner clinics, Hong Kong SAR 2020-2024

(Source: Hong Kong Centre for Health Protection)

China (South) - ILI Surveillance

During week 38, the percentage of outpatient or emergency visits for ILI at national sentinel hospitals in southern provinces was 3.7%, higher than the last week (3.5%), higher than the same week in 2021 and 2022 (3.6% and 3.2%, respectively) and lower than the same week of 2023 (5.2%) (**Figure 7**).

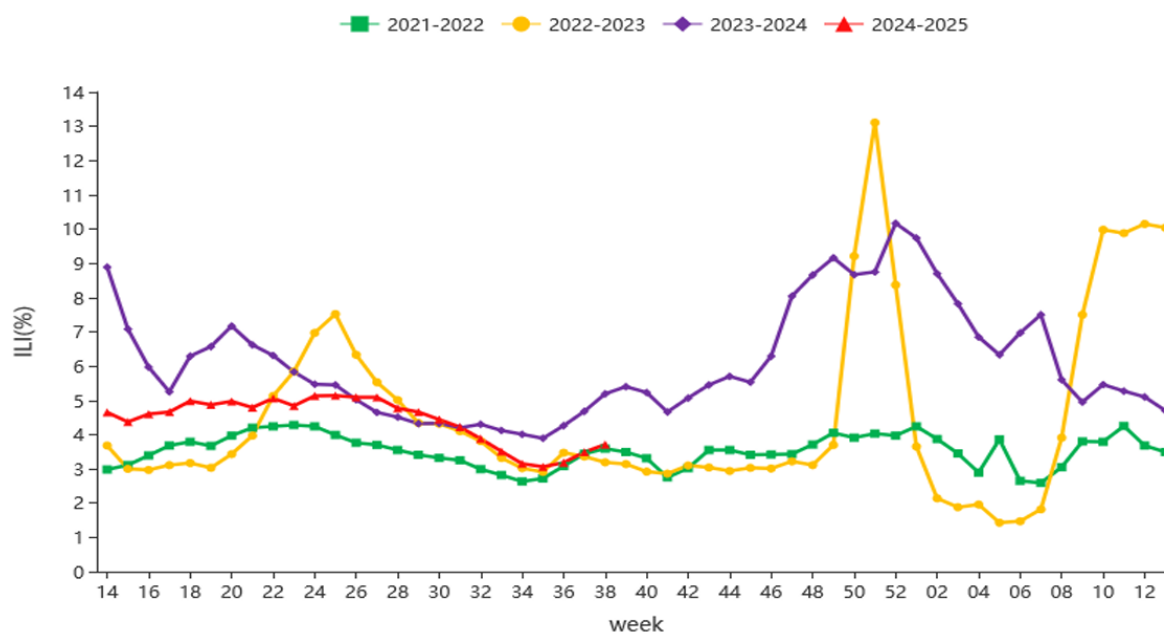


Figure 7: Percentage of visits due to ILI at national sentinel hospitals in Southern China, 2020-2024 (as of week 38)

(Source: China National Influenza Center)

Singapore – Acute Respiratory Infection (ARI) Surveillance

In week 39 (22 to 29 September 2024), the average daily number of patients seeking treatment in the polyclinics for ARI was 2,142 (over 5.5 working days) (**Figure 8**). The proportion of patients with influenza-like illness (ILI) among the polyclinic attendances for ARI was 0.3%. The overall positivity rate for influenza among ILI samples (n=153) in the community was 9.2% in week 39. Of the 123 specimens tested positive for influenza in August 2024, 75 were positive for Influenza A(pH1N1) (61%), 33 were positive for Influenza A(H3N2) (26.8%) and 15 were positive for Influenza B (12.2%) (**Figure 9**).

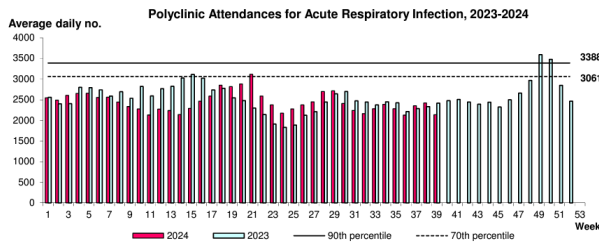


Figure 8: Average daily polyclinic attendances for ARI in Singapore, 2023-2024 (to week 39)
([Source: Singapore Ministry of Health](#))

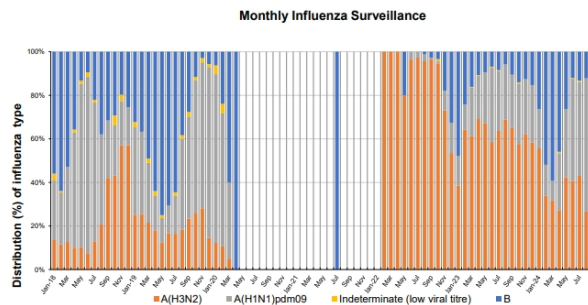


Figure 9: Monthly influenza surveillance for ARI in Singapore, 2018-2024 (to August)
([Source: Singapore Ministry of Health](#))

Lao PDR

During week 39 (22 to 29 September 2024), the National Center for Laboratory and Epidemiology received data from all sentinel sites in Lao PDR. The number of ILI cases presenting at sentinel sites was higher by 81 cases compared to the previous week (**Figure 10**). There were 43 samples tested for influenza in week 39 of 2024, of which five were positive for Influenza A/pdmH1N1 and two were positive for Influenza B Victoria.

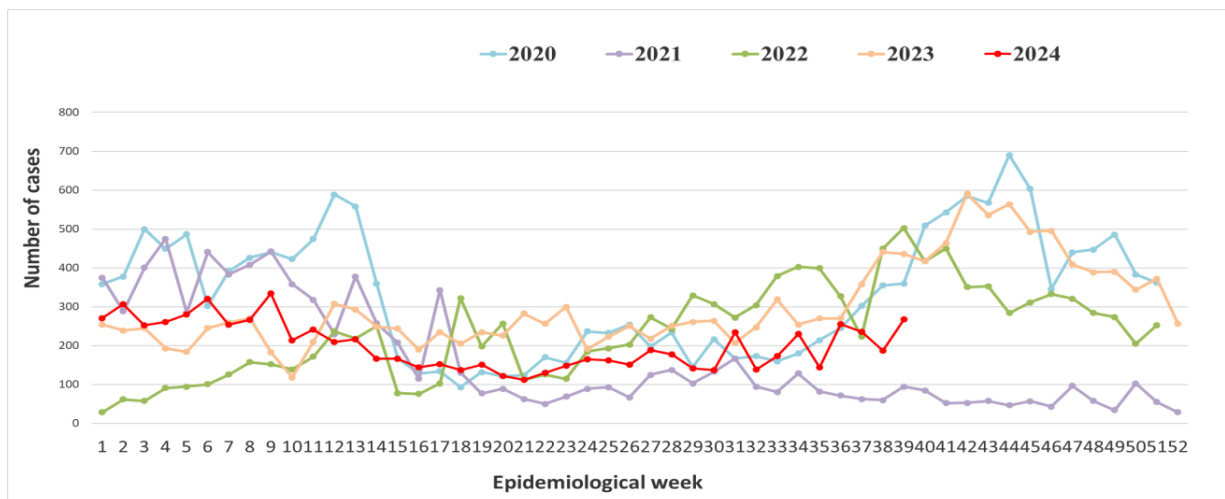


Figure 10: Weekly number of ILI cases at sentinel sites (2020 to 2024)
([Source: Lao PDR National Center for Laboratory and Epidemiology](#))

Cambodia

In week 39 of 2024, the Ministry of Health received data from all seven sentinel sites in Cambodia. The number of ILI cases in Cambodia slightly decreased in week 39 (190 cases) compared to week 38 (205 cases). However, the positivity rate slightly increased to 37% compared to last week (36%) (**Figure 11**).

Note: Starting from week 2 of 2024, the ILI surveillance has been updated as follows: a) Changed case definitions of ILI from >38°C (greater than 38) to ≥ 38°C (greater or equal to 38), b) Increasing number of samples per sentinel sites from 5 to 10 per week. Therefore, the number of cases and positivity might also increase.

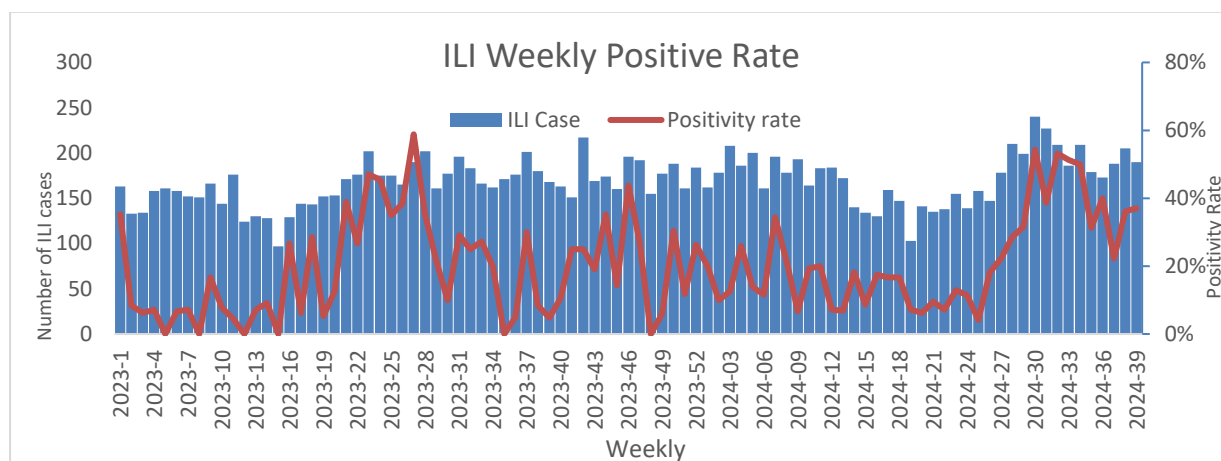


Figure 11: Number of ILI cases from sentinel sites and influenza positivity rate by week, from 2023-2024, Cambodia
(Source: Communicable Disease Control Department, Cambodia Ministry of Health)

Countries in the temperate zone of the southern hemisphere

In the temperate zone of the southern hemisphere, influenza activity is reported during the influenza season, usually starting in May in Australia and New Zealand.

Australia – Laboratory-confirmed influenza

In the year-to-date (1 January to 22 September 2024), there have been 341,351 notifications of laboratory-confirmed influenza reported to the National Notifiable Diseases Surveillance System in Australia, which is higher than the number of notifications in the same period in all other years. (Figure 12). In the past reporting fortnight, influenza notification rates appear to be decreasing across all jurisdictions compared with the previous fortnight.

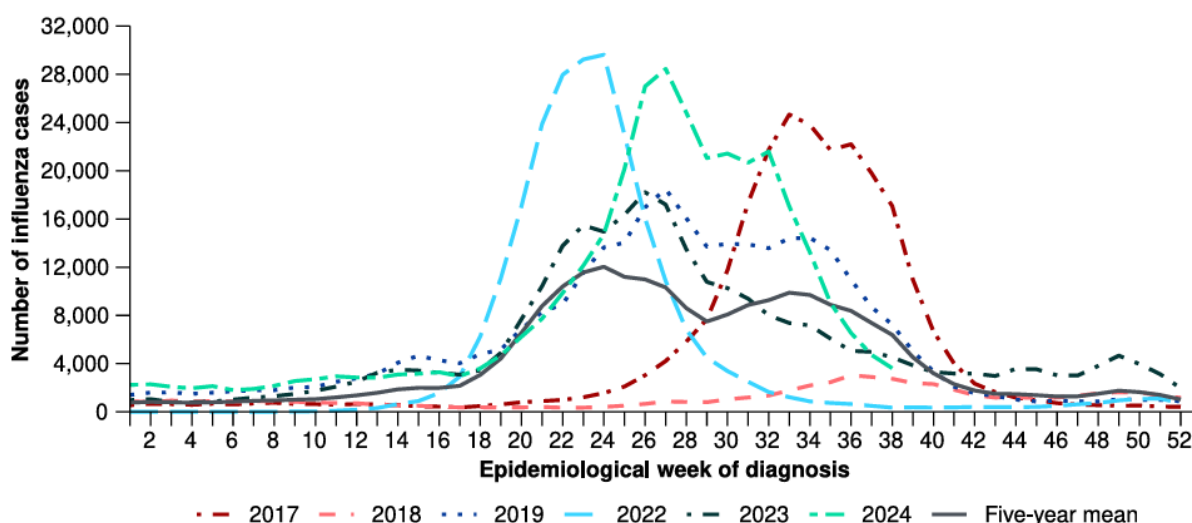


Figure 12: Notifications of laboratory-confirmed influenza by year and week from 2017 to 2024 in Australia (Source: National Notifiable Diseases Surveillance System, Australian Department of Health)

New Zealand – ILI Surveillance

Indicators of influenza-like illness in the community remain at levels expected for this time of year. During week 39 (22 to 29 September 2024), the rate of ILI related Healthline calls is 20.68 per 100,000 population, which is lower compared to the same time in 2022 and 2023 (Figure 13).

Weekly Healthline ILI call rates

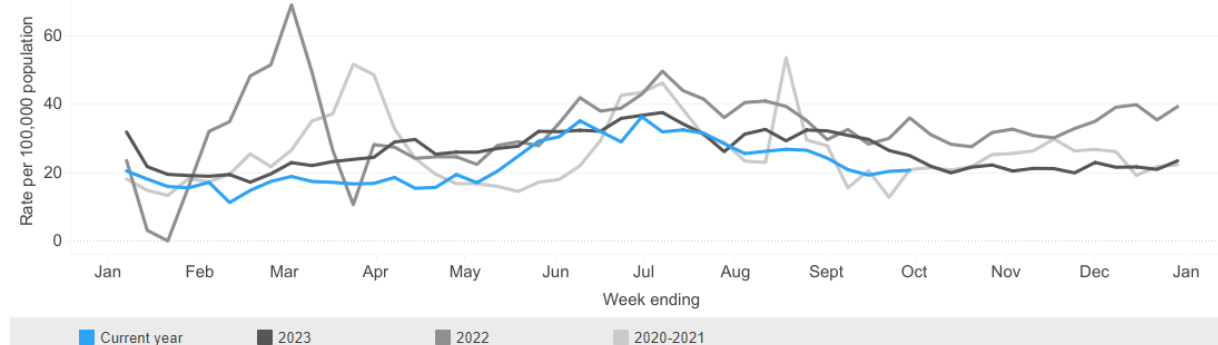
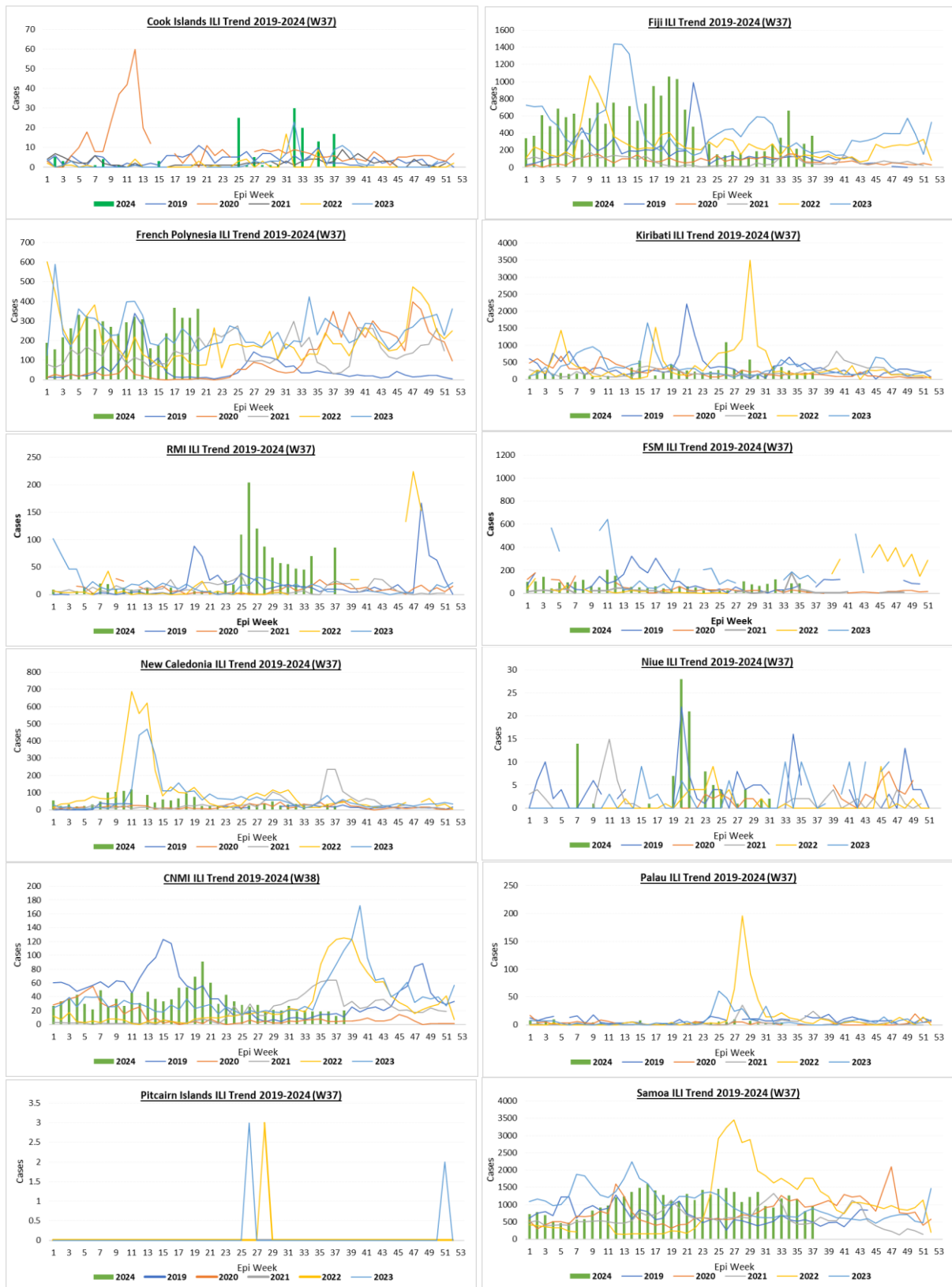


Figure 13: Weekly Healthline ILI call rate per 100,000 people in New Zealand in 2015-2024 (Source: New Zealand Institute of Environmental Science and Research)

Pacific Island Countries and Areas (PICs) - ILI Surveillance

There was no update in this reporting period. In week 37 (9 to 15 September 2024), 18 out of 21 PICs reported ILI surveillance data. No reports are available for American Samoa, Guam and Nauru. Countries and Ares showed stable or decreasing trends in ILI compared to the previous week. (Figure 14).



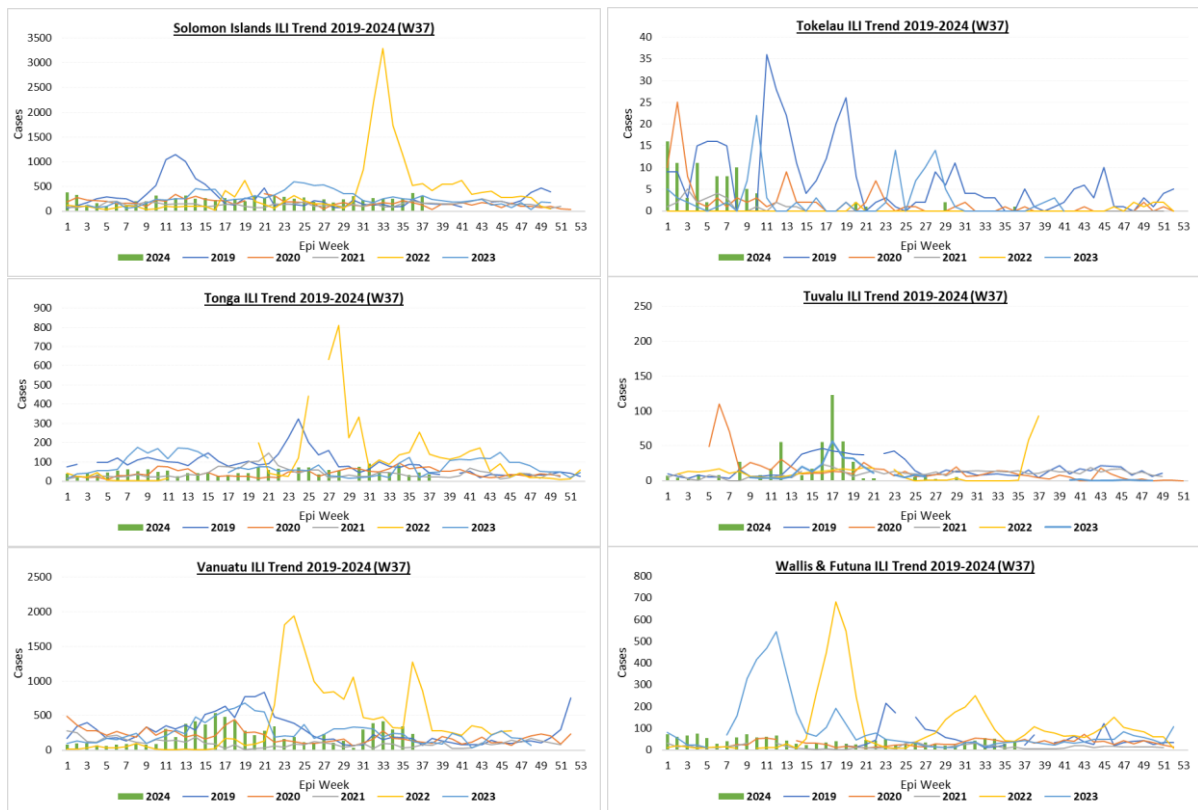


Figure 14: Reported cases of influenza-like illness in Pacific Island Countries, 2019-2024
 (Source: Pacific Syndromic Surveillance System Weekly Bulletin)

* Caution should be taken in interpreting these data as there may be changes in the number of sentinel sites reporting to the Pacific Syndromic Surveillance System.

** RMI: Republic of Marshall Islands, FSM: Federated States of Micronesia, CMNI: Commonwealth of Northern Mariana Islands

Global influenza situation updates

[Virological update](#)

[Global update](#)

Others:

- Recommended composition of influenza virus vaccines for use in the 2024-2025 northern hemisphere influenza season [Link](#)
- Recommended composition of influenza virus vaccines for use in the 2024 southern hemisphere influenza season [Link](#)
- WHO Consultation on the Composition of Influenza Virus Vaccines for Use in the 2024 Southern Hemisphere Influenza Season 25-28 September 2023 [Link](#)
- WHO issues updated influenza vaccines position paper [Link](#)

WHO's YouTube Channel: film exploring a number of key aspects of the constant evolution of influenza viruses and associated impacts on public health. [Arabic](#), [Chinese](#), [English](#), [French](#), [Russian](#), [Spanish](#)