

FLU EXPRESS



Flu Express is a weekly report produced by the Respiratory Disease Office of the Centre for Health Protection. It monitors and summarizes the latest local and global influenza activities.

Local Situation of Influenza Activity (as of Sep 25, 2013)

Reporting period: Sep 15 – 21, 2013 (Week 38)

- The latest surveillance data showed that the local influenza activity remained elevated.
- The Centre for Health Protection has collaborated with the Hospital Authority and private hospitals to monitor influenza associated intensive care unit (ICU) admissions or deaths (aged 18 years or above) since Jul 26, 2013. As of Sep 25, there were 43 cases of influenza associated ICU admission or death, in which 27 of them were fatal.
- Influenza can cause serious illnesses in high-risk individuals and even healthy persons. Except for those with contraindications, influenza vaccination is suitable for all members of the public.
- Children (aged between six months and less than 6 years, or attending a kindergarten or child care centre in Hong Kong) and elderly (aged 65 years or above), who are eligible, will be subsidised for seasonal influenza vaccination from enrolled private doctors participating in the Government's vaccination subsidy schemes starting from Oct 2, 2013.

Influenza-like-illness surveillance among sentinel general outpatient clinics, 2011-13

In week 38, the average consultation rate for influenza-like illness (ILI) among sentinel general outpatient clinics (GOPCs) was 5.4 ILI cases per 1,000 consultations (Figure 1).

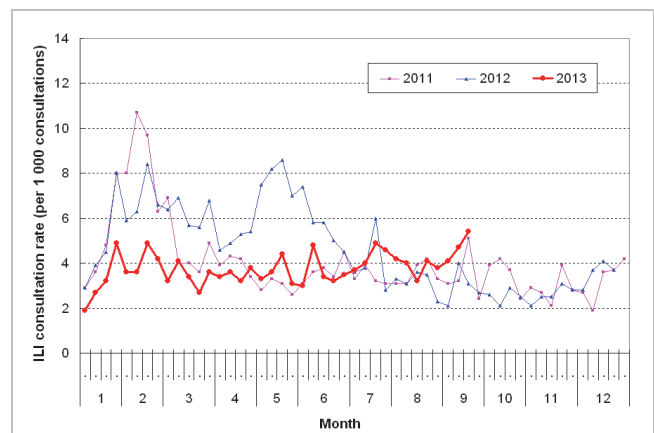


Figure 1 ILI consultation rate at sentinel GOPC, 2011-13

Influenza-like illness surveillance among sentinel private doctors, 2011-13

In week 38, the average consultation rate for ILI among sentinel private doctors was 43.3 ILI cases per 1,000 consultations (Figure 2).

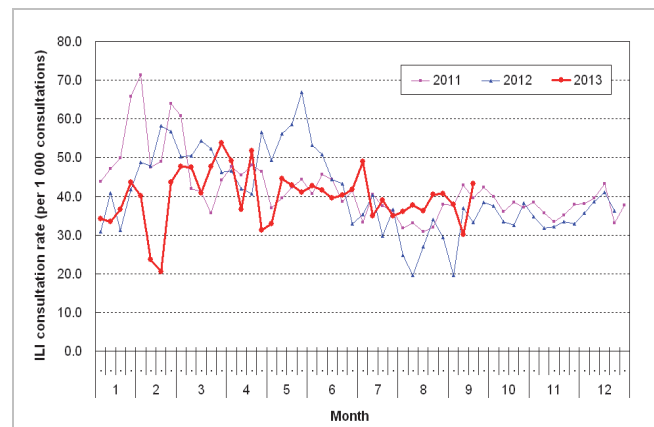


Figure 2 ILI consultation rate at sentinel GP, 2011-13

Influenza virus detections (Laboratory surveillance), 2012-13

In week 38, the number of influenza viruses detected in the Public Health Laboratory Centre was 265, including 239 influenza A (H3) viruses, 15 influenza A (H1N1)pdm09 viruses and 11 influenza B viruses (Figure 3).

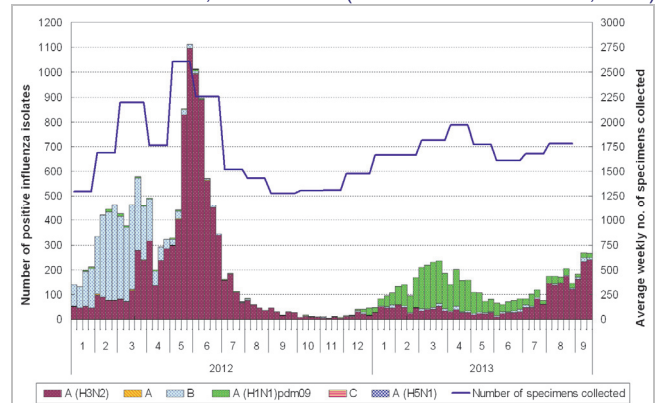


Figure 3 Influenza virus detections, 2012-13

Influenza-like illness outbreak monitoring, 2012-13

In week 38, 12 ILI outbreaks occurring in schools/institutions were recorded. In the first 4 days of week 39 (Sep 22 to 25, 2013), 3 ILI outbreaks occurring in schools/institutions were recorded (Figure 4).

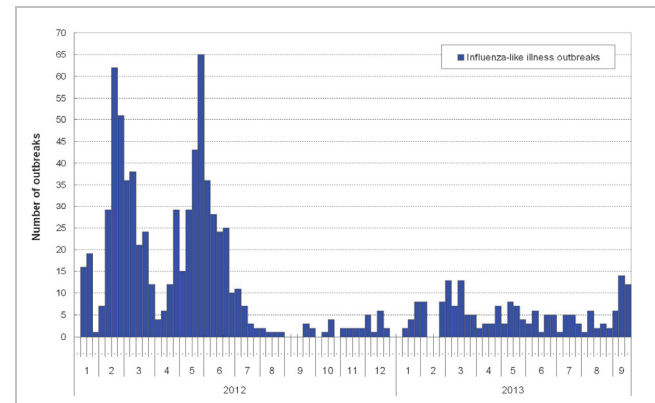


Figure 4 ILI outbreaks, 2012-13

Rate of influenza-like illness syndrome group in accident and emergency departments, 2011-13[#]

In week 38, the rate of the influenza-like illness syndrome group in the accident and emergency departments (AED) was 170.8 (per 1,000 coded cases) (Figure 5).

[#]Note: The influenza-like illness syndrome group includes codes such as influenza, upper respiratory tract infection, fever, cough, throat pain, and pneumonia.

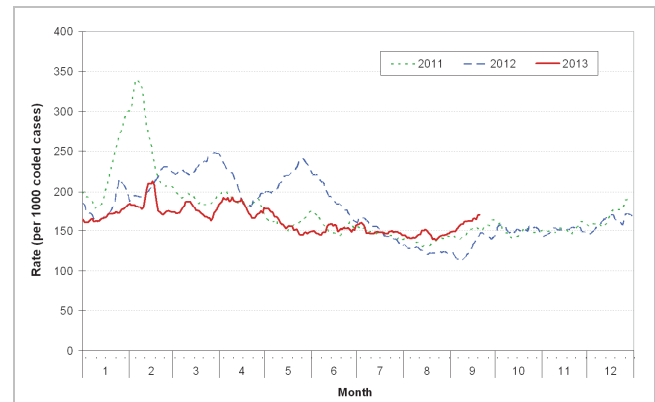


Figure 5 Rate of ILI syndrome group in AED, 2011-13

Influenza associated hospital admission rates and deaths based on discharge coding, 2011-13

In week 38, hospital admission rates with principal diagnosis of influenza for persons aged 0-4 years, 5-64 years and 65 years or above were 1.27, 0.07 and 0.49 cases respectively (per 10,000 people in the age group) (Figure 6). Weekly number of deaths with any diagnosis of influenza in public hospitals is also shown in the figure on the right hand side.

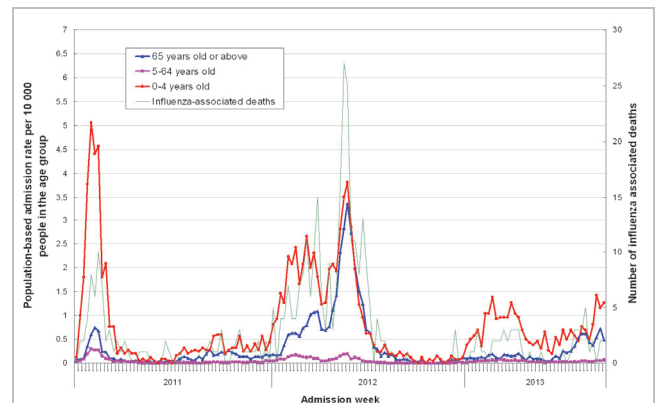


Figure 6 Influenza associated hospital admission rates and deaths, 2011-13

Fever surveillance at sentinel child care centres/ kindergartens, 2011-13

In week 38, 0.88% of children in the sentinel child care centres / kindergartens (CCC/ KG) had fever (Figure 7).

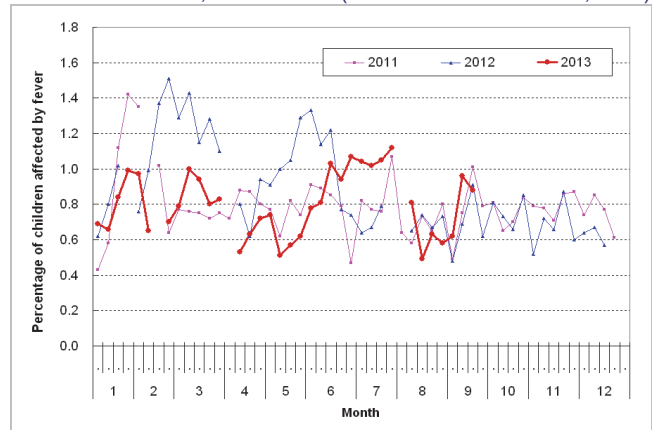


Figure 7 Percentage of children with fever at sentinel CCC/ KG, 2011-13

Fever surveillance at sentinel residential care homes for the elderly, 2011-13

In week 38, 0.11% of residents in the sentinel residential care homes for the elderly (RCHEs) had fever (Figure 8).

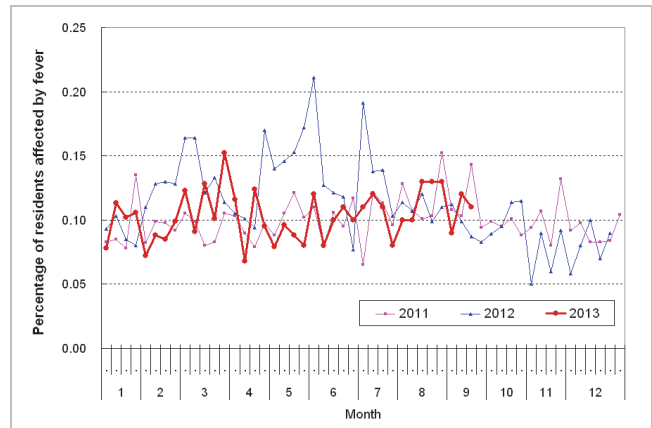


Figure 8 Percentage of residents with fever at sentinel RCHE, 2011-13

Influenza-like illness surveillance among sentinel Chinese medicine practitioners, 2011-13

In week 38, the average consultation rate for ILI among Chinese medicine practitioners (CMPs) was 2.69 ILI cases per 1,000 consultations (Figure 9).

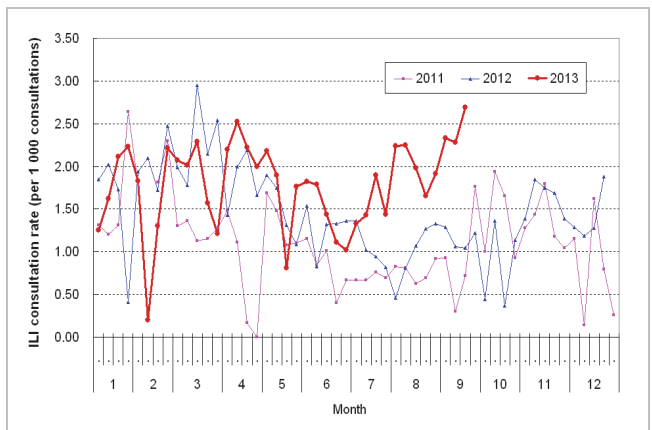


Figure 9 ILI consultation rate at sentinel CMP, 2011-13

Enhanced Surveillance for Severe Seasonal Influenza (Aged 18 years or above)

- From Sep 18, 2013, 12:00 noon to Sep 25, 2013, 12:00 noon, 9 cases of influenza associated ICU admission were recorded, in which 5 of them were fatal.

Note: The data reported are provisional figures and subject to further revision.

Surveillance of severe paediatric influenza-associated complication/death (Aged above one month and below 18 years)

- In week 38 and the first 4 days of week 39 (Sep 22 to 25, 2013), there were no new reports of severe paediatric influenza-associated complication/death.

Note: The data reported are provisional figures and subject to further revision.

Surveillance of Tamiflu resistant influenza A(H1N1)2009 virus infection

- In week 38, one case of oseltamivir (Tamiflu) resistant influenza A(H1N1)pdm09 virus infection involving a 6-year-old boy was reported. He had been discharged. The virus strain detected was sensitive to zanamivir (Relenza). In the first 4 days of week 39 (Sep 22 to 25, 2013), there were no new reports of oseltamivir (Tamiflu) resistant influenza A(H1N1)pdm09 virus infection. There are totally 36 reports of Tamiflu resistant influenza A(H1N1)pdm09 virus detected in Hong Kong since 2009.

Global Situation of Influenza Activity

- In the United States (week ending Sep 14, 2013), the influenza activity remained low.
- In Singapore (week ending Sep 21, 2013), the number of consultations for acute respiratory infections was below the warning level.

Sources:

Information have been extracted from the following sources when updates are available: [United States Centers for Disease Control and Prevention](#) and [Singapore Ministry of Health](#).