

# 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 Dec 5, 2012)

**Reporting period: Nov 25 – Dec 1, 2012 (Week 48)**

- The latest surveillance data showed that the influenza activity was at baseline level.
- 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 between the age of six months and less than 6 years old as well as elderly people aged 65 years and above are eligible to receive subsidised vaccination from enrolled private doctors participating in the Government's vaccination subsidy schemes starting from Sep 24, 2012.

### Influenza-like-illness surveillance among sentinel general outpatient clinics, 2010-12

In week 48, the average consultation rate for influenza-like illness (ILI) among sentinel general outpatient clinics (GOPCs) was 2.8 ILI cases per 1,000 consultations (Figure 1).

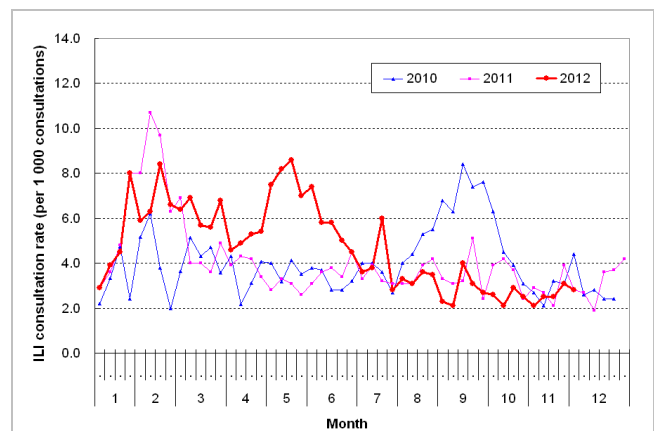


Figure 1 ILI consultation rate at sentinel GOPC, 2010-12

### Influenza-like illness surveillance among sentinel private doctors, 2010-12

In week 48, the average consultation rate for ILI among sentinel private doctors was 32.8 ILI cases per 1,000 consultations (Figure 2).

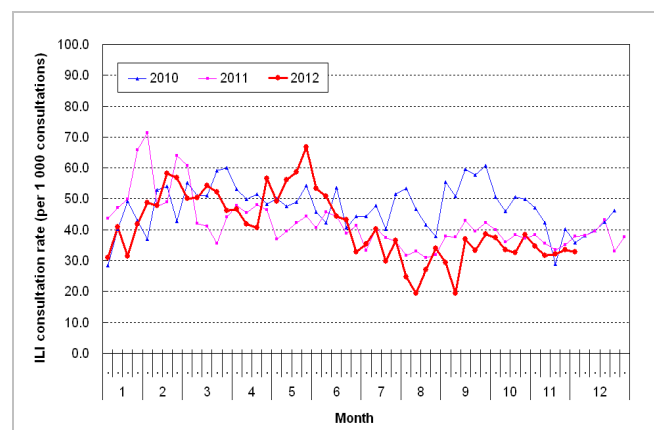


Figure 2 ILI consultation rate at sentinel GP, 2010-12

## Influenza virus detections (Laboratory surveillance), 2011-12

In week 48, the number of influenza viruses detected in the Public Health Laboratory Centre was 15, including 11 influenza A (H3) viruses, 2 influenza A (H1N1)2009 viruses and 2 influenza B viruses (Figure 3).

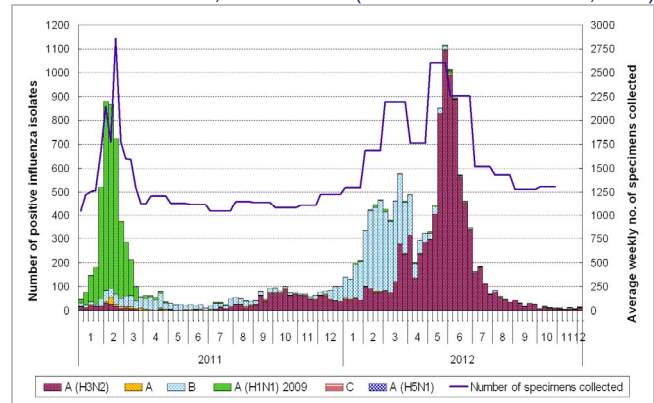


Figure 3 Influenza virus detections, 2011-12

## Influenza-like illness outbreak monitoring, 2011-12

In week 48, 5 ILI outbreaks occurring in schools/institutions were recorded (Figure 4). In the first 4 days of week 49 (Dec 2 to 5, 2012), 1 ILI outbreak occurring in a school was recorded.

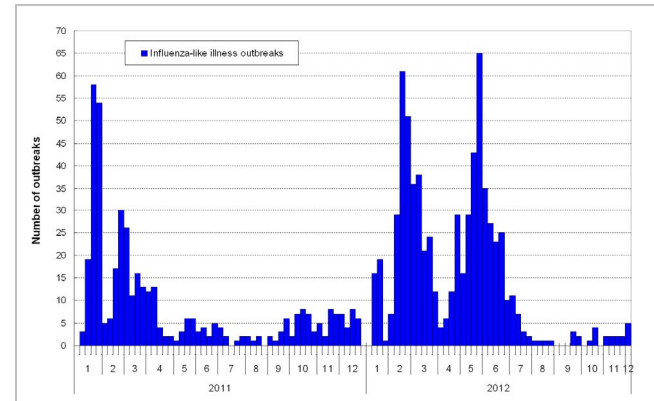


Figure 4 ILI outbreaks, 2011-12

## Rate of influenza-like illness syndrome group in accident and emergency departments, 2010-12<sup>#</sup>

In week 48, the rate of the influenza-like illness syndrome group in the accident and emergency departments was 147.6 (per 1,000 coded cases) (Figure 5).

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

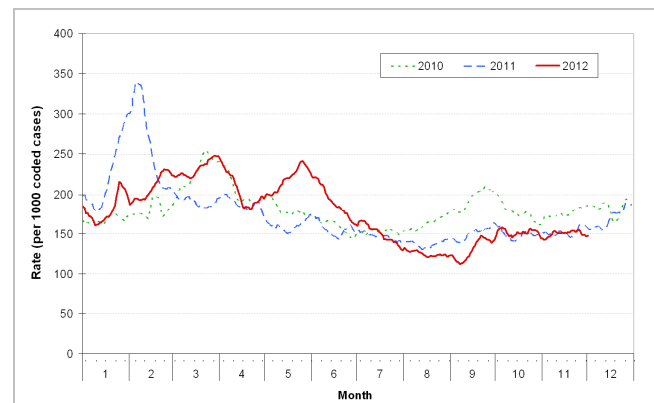


Figure 5 Rate of ILI syndrome group in AED, 2010-12

## Influenza associated hospital admission rates and deaths based on discharge coding, 2010-12

In week 48, hospital admission rates with principal diagnosis of influenza for persons aged 0-4 years, 5-64 years and 65 years or above were 0.04, 0.01 and 0.01 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.

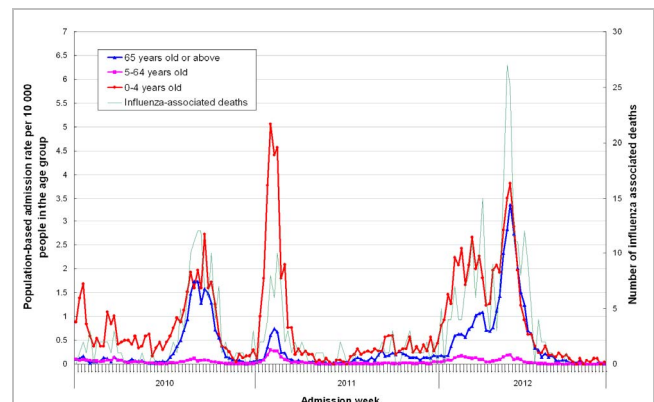


Figure 6 Influenza associated hospital admission rates and deaths, 2010-12

### Fever surveillance at sentinel child care centres/ kindergartens, 2010-12

In week 48, 0.60% of children in the sentinel child care centres/ kindergartens had fever (Figure 7).

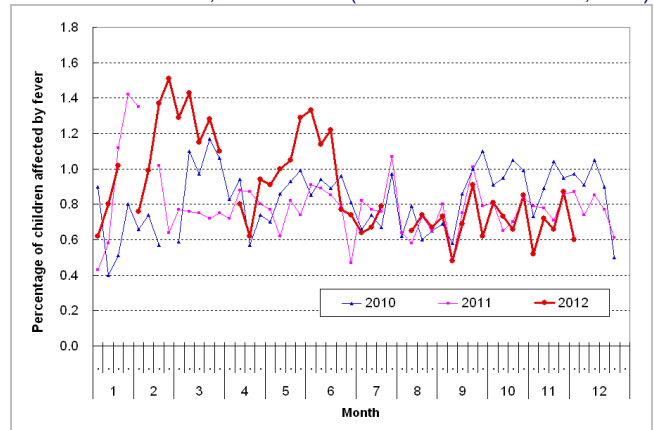


Figure 7 Percentage of children with fever at sentinel CCC/KG, 2010-12

### Fever surveillance at sentinel residential care homes for the elderly, 2010-12

In week 48, 0.06% of residents in the sentinel residential care homes for the elderly had fever (Figure 8).

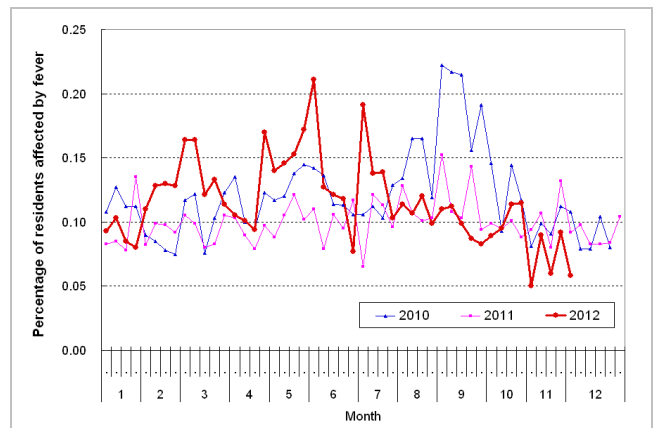


Figure 8 Percentage of residents with fever at sentinel RCHE, 2010-12

### Influenza-like illness surveillance among sentinel Chinese medicine practitioners, 2010-12

In week 48, the average consultation rate for ILI among Chinese medicine practitioners was 1.39 ILI cases per 1,000 consultations (Figure 9).

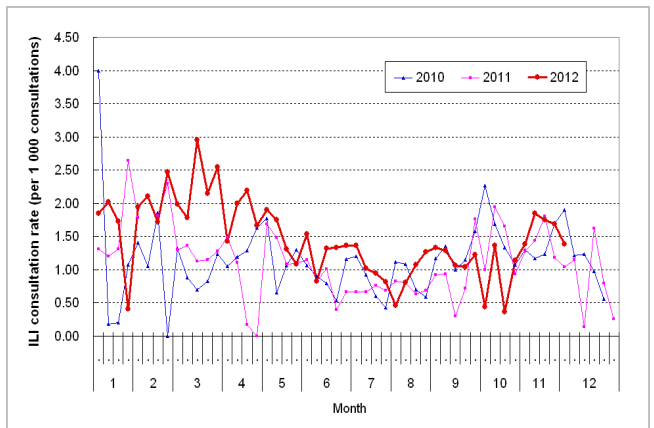


Figure 9 ILI consultation rate at sentinel CMP, 2010-12

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

- In week 48 and the first 4 days of week 49 (Dec 2 to 5, 2012), 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 48 and the first 4 days of week 49 (Dec 2 to 5, 2012), there were no new reports of oseltamivir (Tamiflu) resistant influenza A(H1N1)2009 virus infection. There are totally 22 reports of Tamiflu resistant influenza A(H1N1)2009 virus detected in Hong Kong since 2009.

## **Global Situation of Influenza Activity**

- In the United States (week ending Nov 24, 2012), the influenza activity increased.
- In Canada (week ending Nov 24, 2012), the influenza season had started with increases in all influenza indicators observed this week. The ILI consultation rate increased compared to the previous week.
- In the United Kingdom (as of Nov 22, 2012), the ILI consultation rate remained low.
- In Europe (week ending Nov 25, 2012), the influenza activity remained low, but more countries were reporting increasing ILI consultation rates than in the previous week.
- In Singapore (week ending Dec 1, 2012), 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](#), [Public Health Agency of Canada](#), [United Kingdom Health Protection Agency](#), [World Health Organization/Europe Euroflu](#) and [Singapore Ministry of Health](#).