

台灣流感速訊

Taiwan Influenza Express

Taiwan Centers for Disease Control. | 2007~2008 Influenza Season | Week: 51 (12/16~12/22), 2007

Taiwan Influenza Surveillance :

1. The consultation rates for ILI (Influenza-Like Illness) reported by sentinel physicians for the week 51 in 2007 were higher than the mean of previous 3 weeks, with the percentage rates for the past 4 weeks being 3.40, 3.63, 3.76 and 3.96 respectively, as shown in Fig. 1. It was higher than the mean of previous 3 weeks by 10.2%, and which was lower than the same period in 2006-2007.
2. Comparing to the mean of previous 3 weeks, the consultation rate increased in the rest of 6 regions in Taiwan..
3. The dominant respiratory virus identified by National Influenza Center and CDC Collaborating Labs in these 6 weeks was A (H1), as shown in Fig. 2. The other main respiratory viruses were Adenovirus and HSV.

Conclusion : The influenza surveillance indicated that the epidemiological trends in Taiwan increased last week. The dominant influenza virus was A (H1).

Worldwide Influenza Surveillance :

1. **Asia : In Hong Kong**, the weekly consultation rate for ILI reported by general practitioners for the week 49 (12/02-12/08) was 49.9%, which comparing to the previous week was higher, and also higher than the same period of last year. Since January 2007, influenza A (H3N2) was the dominant viruses. **In Japan**, the number of ILI cases reported by sentinel physicians was 2.29 for the week 48 (11/26-12/02), which comparing to the previous week was higher, and also higher than same period of last year. Influenza A (H1) was the dominant viruses in this flu season.
2. **U.S. /Canada : In USA**, during week 50 (Dec. 09- Dec. 15, 2007), a low level of influenza activity was reported. The proportion of deaths attributed to pneumonia and influenza was below the epidemic threshold. The proportion of outpatient visits for ILI and acute respiratory illness (ARI) was below national baseline levels. One state reported regional activity, five states reported local activity; 36 states, the District of Columbia and Puerto Rico reported sporadic influenza activity; and eight states reported no influenza activity. **In Canada**, during weeks 50, influenza activity remained low; The ILI consultation rate continued to rise from previous weeks (25 ILI per 1,000 patient visits) and is within the expected range. Of the influenza detections to date, 79% were influenza A and 21% were influenza B.
3. **Europe :** EISS indicated that levels of influenza activity remained low in Europe, at levels normally seen outside the seasonal influenza peak period in most countries. A total of 28 countries reported no or only sporadic influenza activity in week 50/2007. The percentage of respiratory specimens testing positive for influenza virus in Europe remains low at about 5%, despite the increase in laboratory confirmed cases for Europe as a whole. Of the total virus detections since week 40, 78% were influenza A of which about 90% were of the H1 subtype.
4. **WHO Flu-net :** Global flu surveillance showed that in week 51 (accessed on Dec. 28, 2007) there was Local Outbreak in Czech Republic; Sporadic in France, Italy, Slovenia, Switzerland, Ukraine, China, Portugal and Latvia; the rest areas were no activity or no report.

Conclusion : WHO Flu-net indicated that there were outbreaks and sporadic activities in some countries.

Global Distribution of Influenza by WHO FLU-NET

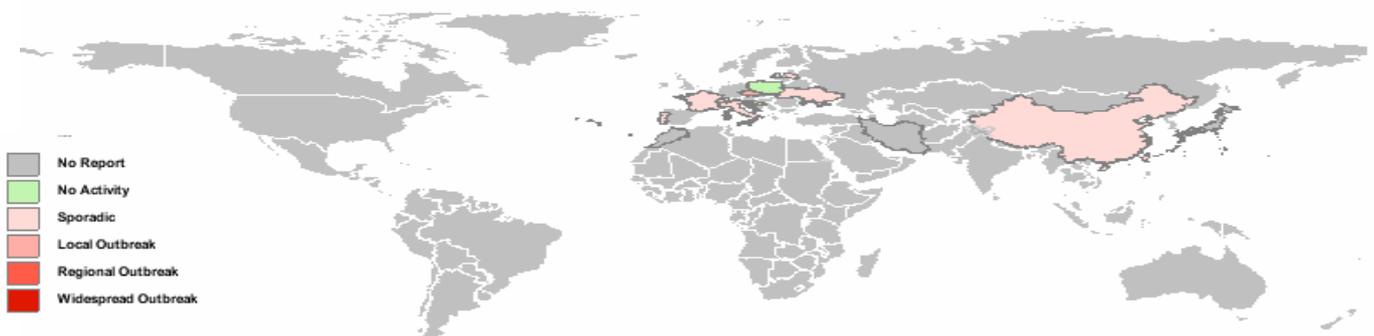


Fig.1 Percentage of Visits by ILI Cases as Reported by Sentinel Physicians

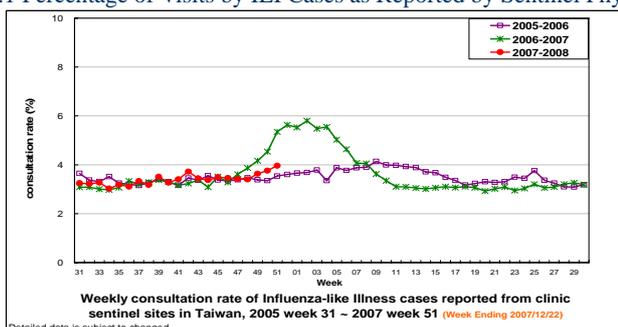
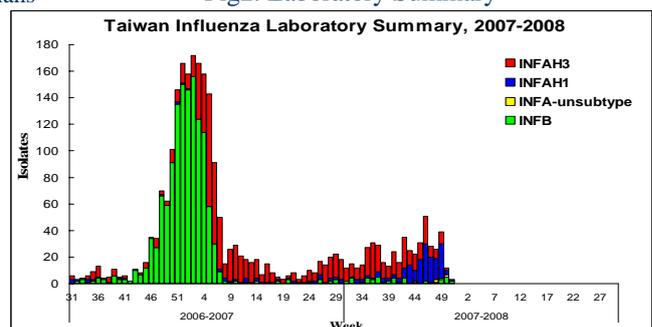


Fig2. Laboratory Summary



References :

Global epidemiological situation of influenza: WHO Flu-net, USA-CDC, CANADA-PHAC, EUROPE-EISS, JAPAN-IASR, HK DOH.
Taiwan epidemiological situation of ILI: Taiwan CDC. For more info, surf <http://www.cdc.gov.tw>, <http://flu.cdc.gov.tw>
The *Influenza Express* published weekly by Taiwan CDC informs you of the latest information on local and global influenza activities.