



# 台灣流感速訊

## Taiwan Influenza Express

Taiwan Centers for Disease Control | 2008~2009 Influenza Season | Weeks 4~5; Jan.18~Jan.31,2009

### Taiwan Influenza Surveillance:

1. The consultation rate for ILI (Influenza-Like Illness) reported by sentinel physicians for week 5 in 2009 was higher than the mean of previous 3 weeks, with the percentage rates for the past 4 weeks being 3.69、4.01、4.49、5.08, respectively, as shown in Fig. 1. It was higher than the mean of previous 3 weeks by 25.1%, which was higher compared to the same period in 2007-2008.
2. Comparing to the mean of previous 3 weeks, the consultation rate increased in all 6 regions of Taiwan.
3. The dominant influenza virus identified by National Influenza Center and CDC Collaborating Labs in last 6 weeks was type AH1, as shown in Fig. 2.

**Conclusion:** The influenza surveillance for week 5 indicated that the epidemiological trends in Taiwan were higher than the mean of previous 3 weeks. Influenza AH3 was the dominant viruses in this flu season. However, AH1 was the dominant type in last 6 weeks. Currently influenza activity in Taiwan is local.

### Worldwide Influenza Surveillance:

1. **Asia:** In Hong Kong, the weekly consultation rate for ILI reported by general practitioners for week 4 (2009/1/18-2009/1/24) was 27.7%, which was lower than the previous week and higher than the same period of last year. From January to November in 2008, influenza A was the dominant viruses. In Japan, the number of ILI cases reported by sentinel physicians was 20.84 for week 3 (2009/1/12-2009/1/18), which was higher than the previous week and the same period of last year. Influenza A was the dominant viruses in this flu season.
2. **U.S./Canada:** In USA, during week 3 (2009/1/4-2009/1/10), a low but increasing 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 was below national and region-specific baseline levels. Two state reported widespread influenza activity, 14 states reported regional influenza activity and 12 states reported local influenza activity; the District of Columbia, Puerto Rico and 22 states reported sporadic influenza activity. The dominant strain in 2008-2009 was influenza A. In Canada, during week 3 (2009/1/18-2009/1/24), a low level of influenza activity was reported. The ILI consultation rate was lower than previous week (13 ILI consultations per 1,000 patient visits), which is below the expected range for this week. The sentinel response rate was 62%. Of the influenza detections to date, influenza A was the dominant virus, but influenza B had been progressively increased.
3. **Europe:** EISS indicated that in week 4 (2009/1/19-2009/1/25) widespread influenza activity was reported in Belgium, Denmark, Estonia, France, Germany, Italy, Luxembourg, Netherlands, Northern Ireland, Norway, Slovenia, Spain, Sweden and Switzerland, regional influenza activities was reported in Czech Republic, Hungary and Latvia, local influenza activities was reported in Ireland, Malta, Poland and Romani, sporadic influenza activities was reported in 7 countries, with no activity or no report in the rest countries.
4. **WHO Flu-net:** Global flu surveillance showed that in week 3 (accessed on Feb 09, 2009) there were widespread outbreak in Sweden, Switzerland, Slovenia, Netherlands, Norway, Germany, Japan, Finland and Denmark, regional outbreak in Belgium, Croatia, France, Israel, Spain and Tunisia, local outbreak in Poland, UK, Portugal, Romania, Italy and Czech, sporadic in Sri Lanka, Estonia, Latvia, Greece, Mongolia, Turkey, US, Venezuela, Mexico, Russian, China and Serbia; the rest areas were no activity or no report.

**Conclusion:** Influenza activity of high intensity is in most countries in Europe and Japan.

Global Distribution of Influenza by WHO FLU-NET

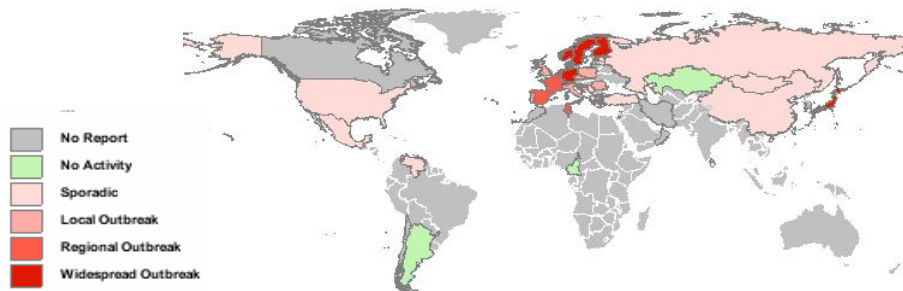


Fig.1 Percentage of Visits by ILI Cases as Reported by Sentinel Physicians

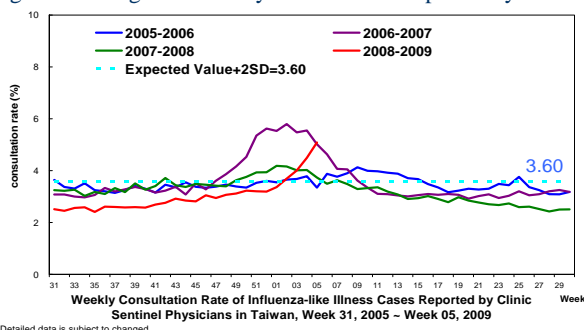
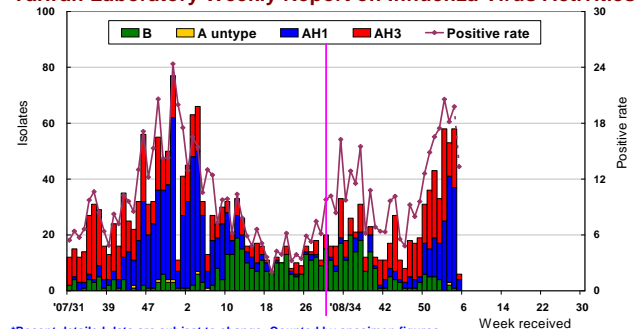


Fig2. Laboratory Summary

Taiwan Laboratory Weekly Report on Influenza Virus Activities



### 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> or <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.