

MiFluFocus
January 20, 2006
Weekly Influenza Surveillance

Michigan Disease Surveillance System: Flu-like illness activity for the first reporting week of 2006 (first full week of school attendance), as reported to MDSS, is similar to both the level reported for the last reporting week of 2005 as well as to the same week from last year at this time.

Emergency Department Surveillance: Since peaking in late December, emergency department visits due to respiratory complaints have decreased slightly over the past two weeks. The number of respiratory visits now looks to be roughly the same as that seen, most recently, in early December and is decreased compared to this period last year. Similarly, emergency department visits due to constitutional complaints have also demonstrated a two-week decrease in activity since peaking in late December. Although still higher than earlier in the flu season, this level is decreased when compared to this period last year. Over the past week, no statewide alerts were generated for reported levels of respiratory or constitutional emergency department visits.

Over-the-Counter Product Surveillance: Sales of all flu-related over-the-counter products are mixed, although an overall picture of increased flu activity is not emerging. Over the past week, antifever and nasal products and electrolyte sales have slightly increased; adult cold relief, cough/cold medication, and thermometer sales have remained relatively stable; and chest rub and pediatric cold relief sales have decreased. With the exception of nasal products, which appear only slightly increased, sales of products appear at or below levels seen from last year at this time.

Sentinel Surveillance (as of January 20, 2006): Influenza sentinel providers across the state are reporting 0.9% of office visits due to influenza-like illness (ILI) for the week ending January 14, 2006. This represents continued low-level activity overall. Sentinel laboratories are reporting relatively low levels of positive tests, comparable to last week, including influenza B positives at two sentinel laboratories.

Community or Facility-Based Outbreaks (as of January 20, 2006): None reported.

MDCH Laboratory Surveillance (as of January 20, 2006): There have been 13 total influenza cases confirmed at MDCH Laboratories this season; 11 influenza A (H3N2) and two influenza B viruses.

National: During week 01 (**January 1 – January 7, 2006**), influenza activity continued approximately at the same level as recent weeks in the United States. The proportion of patient visits to sentinel providers for influenza-like illness (ILI) was above the national baseline. The proportion of deaths attributed to pneumonia and influenza was below the baseline level. Seven states reported widespread influenza activity; 11 states reported regional influenza activity; 9 states reported local influenza activity; 21 states, New York City, the District of Columbia, and Puerto Rico reported sporadic influenza activity; and 2 states reported no influenza activity.

International Activity (WHO, January 18, 2006): From week 50 in 2005 to week 1 in 2006, influenza activity continued to increase in several countries of North America and South-East Asia, while sporadic detections of influenza viruses were reported in some countries of Central Asia and Europe. Overall activity remained low.

MDCH reported **SPORADIC** activity to the CDC for this past week ending **1/14/2006**.

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End of Seasonal Influenza Report- Avian H5N1 Influenza Update: Next Page

Avian H5N1 Influenza Update

WHO Pandemic Phase: Human infection(s) with a new subtype, but no human-to-human spread.

PHASE 3

Table 1. H5N1 influenza-avian: (latest update: January 05, 2006) Avian/poultry outbreaks are occurring in multiple countries, this is a cumulative OIE report from 2004-present.

(Source: downloaded 1/20/06,

<http://www.oie.int/download/AVIAN%20INFLUENZA/graph%20HPAI%2005012006.pdf>)

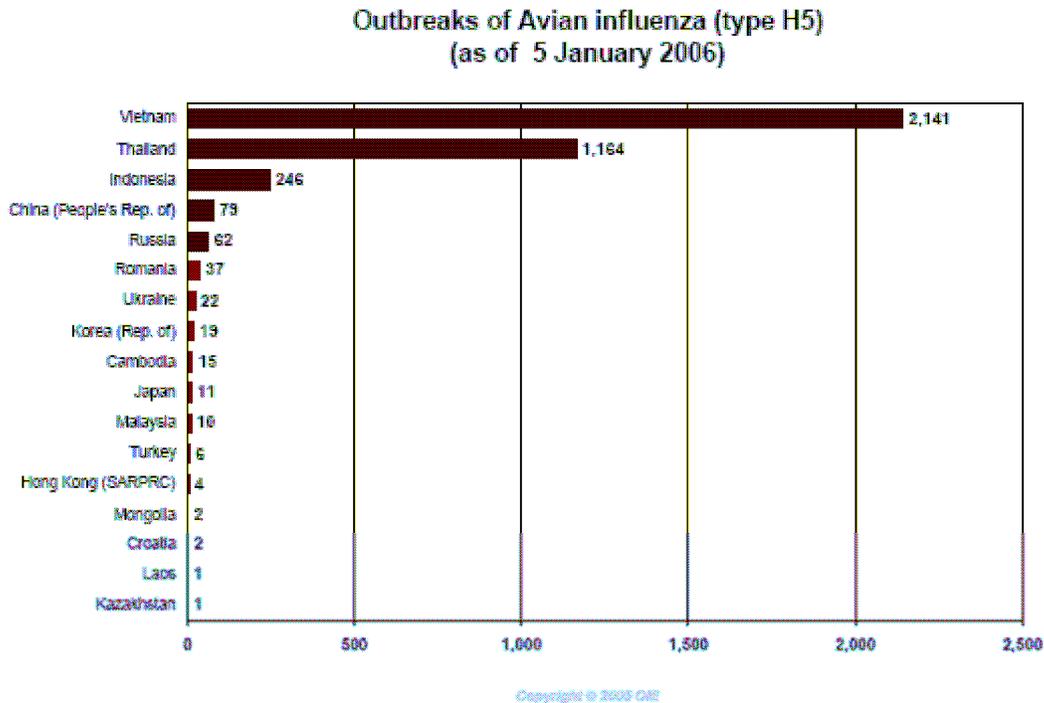


Table 2. H5N1 influenza-human: (January 19, 2006) A total of 149 lab-confirmed cases of human H5N1 from 6 countries being reported by WHO.

(Source: Downloaded 1/13/06 http://www.who.int/csr/disease/avian_influenza/country/cases)

Date of onset	Cambodia		China		Indonesia		Thailand		Turkey		Viet Nam		Total	
	cases	deaths	cases	deaths	cases	deaths	cases	deaths	cases	deaths	cases	deaths	cases	deaths
2003	0	0	0	0	0	0	0	0	0	0	3	3	3	3
2004	0	0	0	0	0	0	17	12	0	0	29	20	46	32
2005	4	4	8	5	16	11	5	2	0	0	61	19	94	41
2006	0	0	1	1	1	1	0	0	4	2	0	0	6	4
Total	4	4	9	6	17	12	22	14	4	2	93	42	149	80

Total number of cases includes number of deaths.

WHO reports only laboratory-confirmed cases.