



Avian/Pandemic Influenza Update

Defense Health Board

LTC Wayne Hachey

Office of the Assistant Secretary of Defense
(Health Affairs) Force Health Protection and Readiness

December 2006



Agenda



- Disease Status
- Progress in National Pandemic Strategy Implementation Plan tasking
- Antivirals
- Vaccine
- Watch board



H5N1 Status



- As of 29 Nov: 258 Cases 154 Deaths
 - Indonesia remains hot spot with 55 cases and 45 deaths this year
- No change in epidemiology
 - Clade 2 predominates
 - Clusters still occur
 - Age distribution unchanged
 - No evidence of significant mutation

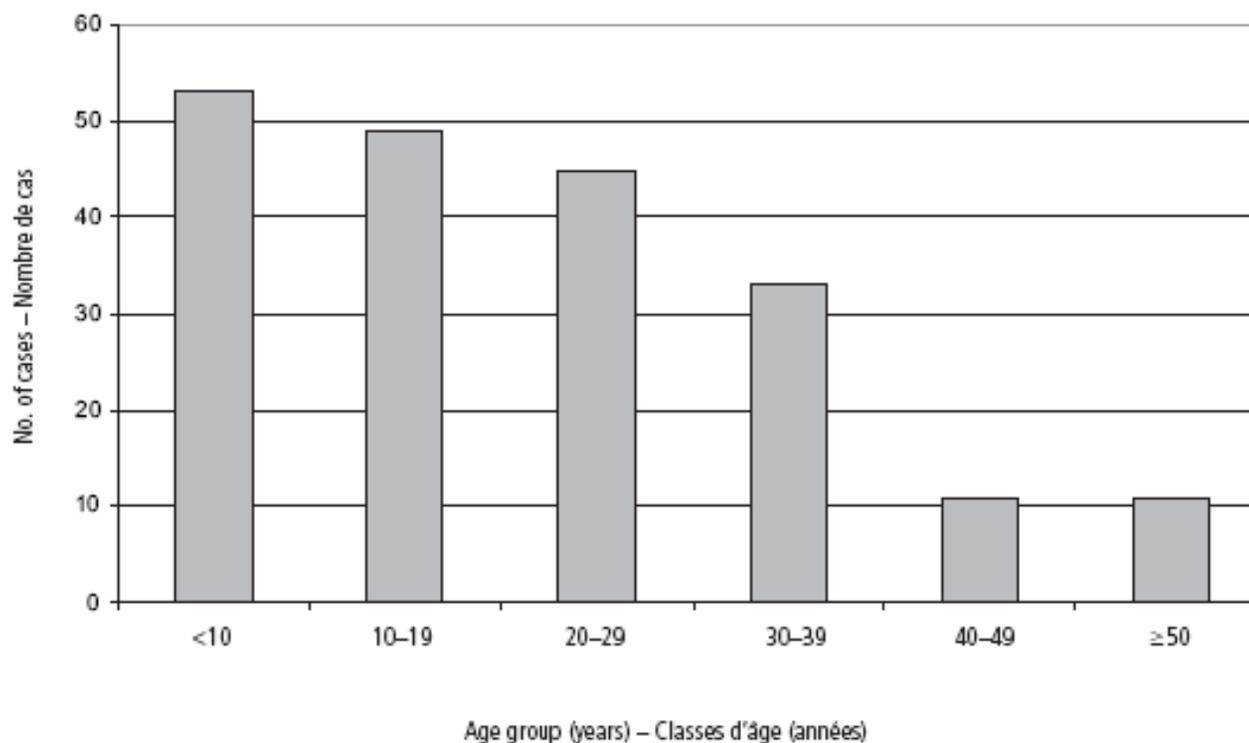


Age Distribution



Fig. 2 Distribution of H5N1 cases by age group, as of 30 April 2006 ($n = 202$)

Fig. 2 Distribution des cas de grippe H5N1 par classe d'âge, au 30 avril 2006 ($n = 202$)

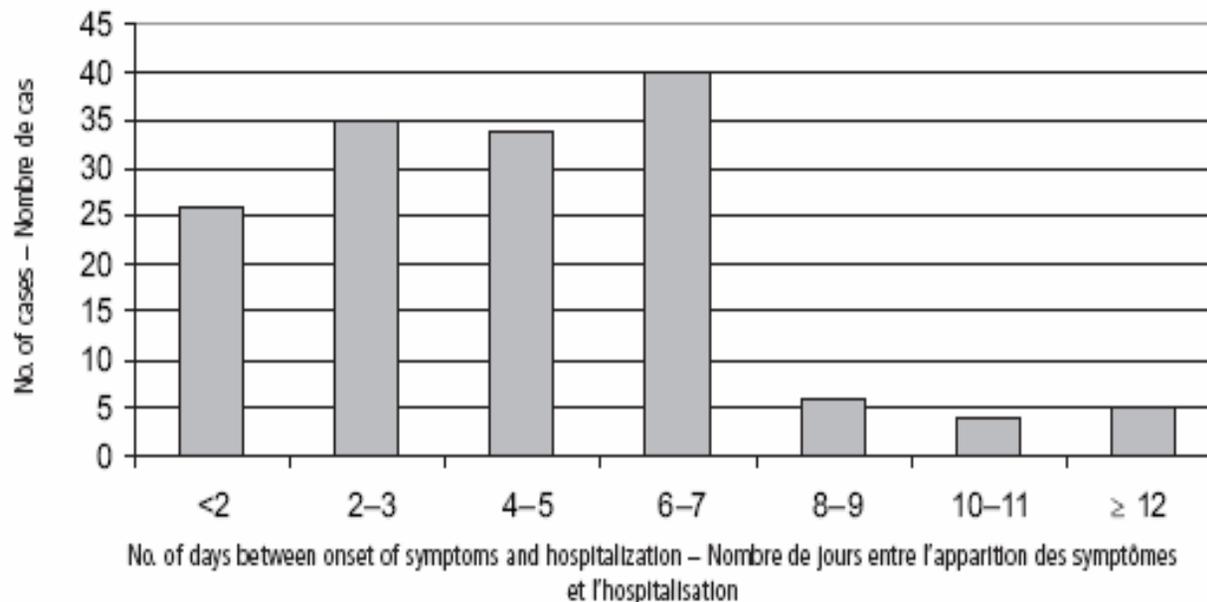




Onset of symptoms and hospitalization



Fig. 3 Number of days between onset of symptoms and hospitalization ($n = 150$)
Fig. 3 Nombre de jours séparant l'apparition des symptômes de l'hospitalisation ($n = 150$)

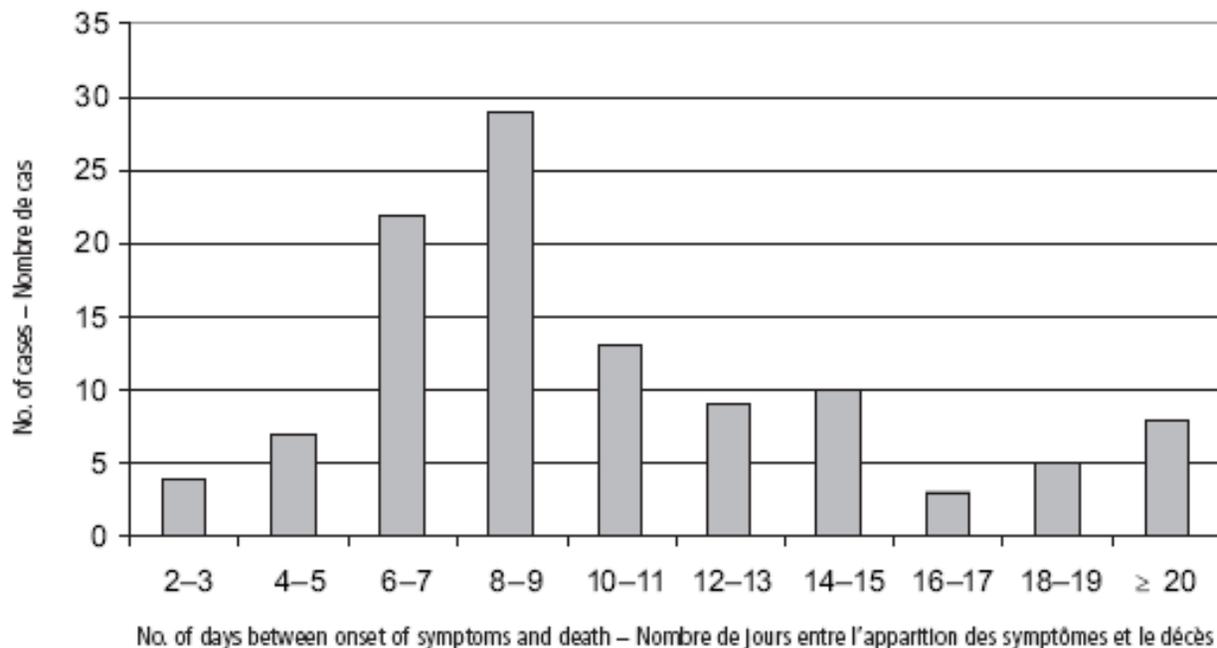




Onset symptoms and death



Fig. 4 Number of days between onset of symptoms and death ($n = 110$)
Fig. 4 Nombre de jours séparant l'apparition des symptômes du décès ($n = 110$)





DoD Tasks National Implementation Plan



- 114 Total DoD tasks
 - 31 DoD lead
 - 83 DoD support
- 73 Health Affairs
 - 20 lead
 - 53 support



DoD National Pandemic Implementation Plan Taskings



- On schedule on DoD lead tasks
 - Met all 6 month suspense taskings
 - On track with all 18 month suspense taskings
- DoD fully integrated in interagency process
 - Antiviral prioritization
 - Vaccine prioritization
 - Risk communication



Overall DoD Strategy



- Layered approach
 - Social Distancing
 - Tailored to local requirements
 - Infection Control
 - Pharmacologic (Vaccine and Antivirals)
 - Communication
 - Providers
 - Beneficiaries



Antivirals



- Tamiflu
 - 2.6 Million treatment courses in DoD stockpile
 - Additional 470K treatment courses to MTF
 - 10% PAR
 - Following delivery of all ordered Tamiflu DoD stockpile will equal 2.9 Million treatment courses
 - Revised Tamiflu release policy developed
 - Includes post exposure strategy
 - Use matrix based on variable disease severity and supply
 - If layered approach is successful increased use community containment



Vaccine



- 1.7 Million doses (Clade 1) 1.3M bottled
 - Previous vaccine degradation rate now stable
- Unknowns
 - Amount available to DoD from current and future vaccine production runs
 - Given funding limitations amount to be purchased
 - Risk analysis modeling underway to determine potential impact on DoD with variable vaccine effectiveness and Penetration



Communication

- MHS Watch board transitioning to DoD site
 - Will incorporate non-medical DoD activities as well as previous MHS content
- DoD Pandemic Flu Watch board
 - <https://fhp.osd.mil/aiWatchboard/index.html>



Watchboard

- Now with direct link to and from [Pandemicflu.gov](https://pandemicflu.gov)
- Expanding risk communication library
 - Beneficiaries with web access
 - Providers to download and modify to suit local requirements
- Provider link
 - Clinical guidelines, policies, guidance
 - Changes to guidance and recent developments in clinical knowledge



Watchboard

- Future content
 - Q & A library
 - Ability to post questions
 - PHEO's corner



Welcome to the Department of Defense Pandemic Influenza Watchboard

Last Modified:
12/4/2006
7:22:8 AMCURRENT
PHASE:**3**[Details](#)

In an influenza pandemic, the DoD's mission is to preserve the U.S. combat capabilities and readiness and to support U.S. government efforts to save lives, reduce human suffering and slow the spread of infection.

**SERVICE MEMBERS,
CIVILIANS
AND FAMILIES****HEALTH CARE
PLANNERS
AND PROVIDERS****DoD
LEADERSHIP**

Important Messages

[Message from the Assistant
Secretary of Defense for Health
Affairs](#)

[Related Links](#)

We have created this site to provide:

- Information about avian and pandemic flu, including recent outbreaks
- Department of Defense involvement in dealing with avian and pandemic flu, and
- How it could affect service member and civilian health

Service Members, Civilians and Families Section

- Provides frequently asked questions on avian and pandemic influenza
- Provides resources for preparing for a pandemic flu outbreak and brochures available for downloading.

Health Care Planners and Providers Section

- Provides essential guidelines, resources, and surveillance and detection data.

DoD Leadership Section

- Provides links to testimonies, speeches, briefs by DoD Leadership and sites on the Pandemic Influenza Initiative

Visit PandemicFlu.gov for one-stop access to U.S. Government avian and pandemic flu information. HHS is responsible for Pandemic Influenza Planning.





Pandemic Influenza Watchboard

[Home](#) | [Service Members, Civilians and Families](#) | [Health Care Planners and Providers](#) | [DoD Leadership](#) | [History](#) | [FAQS](#) | [Glossary](#)

Search:

GO

Service Members, Civilians and Families

Last Modified:
12/4/2006
7:24:1 AM

CURRENT PHASE:
3

[Details](#)

FACT SHEETS:

[Avian Flu - H5N1 For Servicemembers and their Families](#) (20 November 2006)

TRIFOLDS:

[Avian Flu: Dealing with Birds and Poultry, A Guide for Service Members and Their Families](#) (13 October 2006)

[Pandemic Flu: A Guide for Service Members and Families](#) (13 October 2006)

FLYERS:

[Protect Yourself from Avian Flu: Health Advice for Service Members Involved in Animal Culling and Disease Management and Eradication Activities](#) (13 October 2006)

Visit PandemicFlu.gov for one-stop access to U.S. Government avian and pandemic flu information. HHS is responsible for Pandemic Influenza Planning.





Health Care Planners and Providers

Last Modified:
12/4/2006
7:25:22 AM

CURRENT
PHASE:
3

[Details](#)

Preparedness & Communication: Provides up-to-date products for health care planners & providers on:

- DoD Policies and Guidelines
- DoD Communication/Outreach Products
- DoD Plans
- H5 Laboratory Testing Sites
- Disease Reporting & Notification Requirements

Surveillance & Detection: Provides up-to-date open-source information on human and animal cases obtained from the Food and Agriculture Organization of the United Nations (FAO) and World Organization for Animal Health (OIE).

Response & Containment: Provides the WHO Draft Protocol and Interim Guidance for Health Care Facilities.

Visit PandemicFlu.gov for one-stop access to U.S. Government avian and pandemic flu information. HHS is responsible for Pandemic Influenza Planning.

PandemicFlu.gov





DoD Leadership

Last Modified:
12/4/2006
7:32:10 AM

CURRENT
PHASE:
3

[Details](#)

[U.S. Marine Corps Forces Pacific \(MARFORPAC\)](#)

[The Military Vaccine Agency \(MILVAX\)](#)

[DoD GEIS Worldwide Influenza Surveillance Program](#)

[U.S. NORAD-NORTHCOM Pandemic Influenza Portal](#)

[DoD Civilian Personnel Management Service - Disaster Preparedness and Response Information](#)

[Armed Forces Medical Intelligence Center \(AFMIC\)](#)

[Asia Pacific Area Network - PACOM](#)

[Department of Defense Education Activity](#)

[Intelink](#)

Visit PandemicFlu.gov for one-stop access to U.S. Government avian and pandemic flu information. HHS is responsible for Pandemic Influenza Planning.

PandemicFlu.gov



<https://fhp.osd.mil> is the official Web site of Force Health Protection & Readiness Policy and Programs

Skyline 4, Suite 901, 5113 Leesburg Pike, Falls Church, VA 22041

The appearance of external hyperlinks does not constitute endorsements by the Force Health Protection & Readiness Directorate of the linked web sites, or the information, products or services contained therein.



History of the Watchboard

Last Modified:
12/4/2006
7:28:46 AM

CURRENT
PHASE:

3

[Details](#)

The *National Strategy for Pandemic Influenza*, issued by President Bush November 1, 2005, guides our nation's preparedness and response to an influenza pandemic, with the intent of (1) stopping, slowing, or otherwise limiting the spread of a pandemic to the United States; (2) limiting the domestic spread of a pandemic and mitigating disease, suffering, and death; and (3) sustaining the infrastructure and mitigating the impact to the economy and society. The *Department of Health and Human Services* is tasked with leading the federal medical response to a pandemic, while the Department of Homeland Security will provide overall response coordination.

The Implementation Plan for the National Strategy, released by the President on May 3, 2006, translates the Strategy into more than 300 actions for federal departments and agencies and sets clear expectations for state and local governments and other non-federal entities. It also provides guidance for all federal departments and agencies on developing their own plans.

The Department of Defense (DoD)'s global capabilities and presence provide a highly effective ability to support U.S. planning and response to an influenza pandemic. As the federal department with the great amount of resources, the DoD will prepare for and be ready to respond to pandemic influenza as necessary, including providing support and assistance as required by other agencies.

In an influenza pandemic, the DoD's mission is to preserve U.S. combat capabilities and readiness and to support U.S. government efforts to save lives, reduce human suffering, and slow the spread of infection.

The military health system must be prepared to provide the highest possible level of health support and preserve the operational effectiveness of our military forces, contractors, dependents, and beneficiaries across the globe in the face of a pandemic. To meet this responsibility it will take all of us within military medicine working with our line counterparts, our commands, and our local civilian communities.

Visit PandemicFlu.gov for one-stop access to U.S. Government avian and pandemic flu information. HHS is responsible for Pandemic Influenza Planning.

PandemicFlu.gov 



Pandemic Influenza Watchboard

[Home](#) | [Service Members, Civilians and Families](#) | [Health Care Planners and Providers](#) | [DoD Leadership](#) | [History](#) | [FAQS](#) | [Glossary](#)

Frequently Asked Questions

Last Modified:
12/4/2006
7:29:54 AM

CURRENT
PHASE:
3

[Details](#)

[General Frequently Asked Questions about Avian Flu](#) ([Link to Pandemic Flu's FAQ page](#))

[Frequently Asked Questions about Avian Flu of Specific Interest to Service Members and their Families](#) ([Updated 25 April 2006](#))

Visit PandemicFlu.gov for one-stop access to U.S. Government avian and pandemic flu information. HHS is responsible for Pandemic Influenza Planning.

PandemicFlu.gov





Pandemic Influenza Watchboard

[Home](#) | [Service Members, Civilians and Families](#) | [Health Care Planners and Providers](#) | [DoD Leadership](#) | [History](#) | [FAQS](#) | [Glossary](#)

Glossary

Last Modified:
12/4/2006
7:31:2 AM

CURRENT
PHASE:
3

[Details](#)

[Glossary of Avian Flu Terms](#) (Updated 09 November 2006)

Visit PandemicFlu.gov for one-stop access to U.S. Government avian and pandemic flu information. HHS is responsible for Pandemic Influenza Planning.





?