



**Testimony**  
**Committee on Homeland Security**  
**Subcommittee on Emerging Threats,**  
**Cybersecurity, and Science & Technology**  
**United States House of Representatives**

**Pandemic Influenza: HHS Progress in  
National Preparedness Efforts**

*Statement of*  
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Chairman Langevin, Ranking Member McCaul, and distinguished Members of the Subcommittee, thank you for the opportunity to present the progress HHS has made in national preparedness for pandemic influenza. Over the past two years, with the \$5.6 billion supplemental funding we received from Congress, we have worked closely with our International, Federal, state and local partners to advance our preparedness for pandemic influenza. While we all understand that preparedness is a process that is never completed, the advances I will highlight for you today demonstrate what can be accomplished when there is a shared vision and support for preparedness. The threat of a pandemic remains a real one, and I appreciate that in holding this hearing, you share our sense of urgency about our preparedness.

As you know, the President released the *National Strategy for Pandemic Influenza* in November 2005, followed by a detailed *Implementation Plan* from the Homeland Security Council (HSC) in May 2006. The HSC Implementation Plan assigned over 300 tasks across the Federal Government to improve our Nation's preparedness for pandemic influenza. HHS has made substantial progress in the nearly 200 action items assigned to our department, completing over 80% in one year. These gains are real and measurable, and they cover a broad range of preparedness, including enhancing our international laboratory networks, developing and releasing guidance on community-based measures to mitigate the effects of a pandemic, and expanding the Medical Reserve Corps program. We also released the HHS Pandemic Plan and HHS Implementation Plan, and those are available alongside additional information and planning resources at [www.pandemicflu.gov](http://www.pandemicflu.gov). I will highlight for you specific accomplishments in three areas: State and Local Preparedness, Countermeasure Procurement and Advanced Development, and Federal Preparedness.

All of these accomplishments are consistent with the mission of my office, which Congress created in December 2006 through the Pandemic and All-Hazards Preparedness Act. The ASPR mission is to lead the nation in preventing, preparing for, and responding to the adverse health effects of public health emergencies and

disasters, and the vision we see is “A Nation Prepared.” Within HHS, my office coordinates the preparedness and response enterprise, which focuses on the continuum of preparedness from research and development of medical countermeasures to response delivery platforms that support state and local responders in reaching our citizens during an incident.

Our preparedness for pandemic influenza involves a shared responsibility among our entire Department, our partners in the International community, the Federal interagency, state, local, tribal and territorial governments, the private sector, and, ultimately, individuals and families. In addition, we believe our planning for an influenza pandemic is part of an all-hazards approach. The gains we make in increased preparedness and response capability for pandemic influenza will help us across the spectrum of public health emergencies and disasters.

### **Enhanced State and Local Preparedness**

By the end of this year, the Department will have awarded over \$600 million in emergency supplemental funding through the Centers for Disease Control and Prevention (CDC) and ASPR to 62 awardees: 50 states, five U.S. territories, three Freely Associated States of the Pacific, New York City, Los Angeles County, Chicago, and the District of Columbia to upgrade state and local capacity in regard to pandemic influenza preparedness. The funding has occurred in three general phases:

#### *Phase 1- \$100 Million*

Senior HHS officials, led by Secretary Leavitt, conducted Pandemic Influenza Preparedness Summits in every state to facilitate community-wide planning and to promote shared responsibility for pandemic preparedness. To assess gaps in pandemic preparedness and guide preparedness investments, CDC created an assessment tool for awardees to use in evaluating their own jurisdiction’s current state of preparedness.

The awardees were required to submit: 1) a gap analysis; 2) a proposed approach to filling the identified gaps; and 3) an associated budget for the critical tasks necessary to address those gaps. High priority areas being addressed include:

- Exercising pandemic incident command systems,
- Linking animal and human surveillance systems,
- Augmenting laboratory capacity,
- Plans for vaccine and antiviral distribution, mortuary affairs, and continuity of essential functions

*Phase 2- \$250 Million (\$225 million for four priority activities and \$25 million for competitive demonstration projects)*

Of the Phase 2 funds, \$225 million were used for four priority activities: 1) work with jurisdictional colleagues in emergency management, community organizations and other agencies to develop a jurisdictional workplan to address gaps identified by the assessment process; 2) develop and exercise an antiviral drug distribution plan; 3) develop a pandemic exercise schedule to include – at a minimum -- medical surge, mass prophylaxis, non-pharmaceutical public health interventions and the antiviral drug distribution exercises; and 4) submit the jurisdictional pandemic influenza operational plan.

Three planning priorities were targeted — state/local exercises of key plans (mass vaccination using seasonal flu clinics, community containment, medical surge); developing antiviral distribution plans; and review of statewide pandemic influenza plans.

- 85% of the awardees used seasonal influenza vaccination clinics to exercise mass prophylaxis plans (Highlights - some state medical boards used Emergency Medical Technicians (EMTs) and paramedics to act as vaccinators to

reduce the burden on public health staff; some states used drive-through clinics to increase throughput and enforce social distancing.)

- 83% of the awardees participated in tabletop exercises of non-pharmaceutical interventions and plans to contain the spread of pandemic influenza. (Emphasis on school closing decisions and discouragement of large public gatherings; the majority of awardees responded that gaps in their existing plans were identified and that further planning refinements are necessary to produce viable and executable plans. Funding in Phase 3 will help address these gaps.)
- Over 50% of the awardees reported conducting exercises of antiviral distribution plans.
- The public health and medical components of this funding supplement have included two of the Target Capabilities identified as part of National Preparedness under Homeland Security Presidential Directive #8: Mass Prophylaxis and Medical Surge.
- 97% of the awardees have submitted pandemic influenza operational plans that involve interaction and partnership with law enforcement and emergency management (antiviral distribution), education, and business sectors (community mitigation and continuity of operations).

The remaining \$25 million Phase 2 funds will be used to make pandemic influenza emergency supplemental awards based on performance. The funds will be awarded competitively to awardees that successfully propose a plan to develop, implement and evaluate pandemic influenza interventions. Proposals will be solicited for public health interventions for which there are few data, unclear consequences, or inconclusive effectiveness.

*Phase 3- \$250 Million Available.*

CDC has awarded \$175 million of Phase 3 funding to support awardees' efforts to fill



will establish stockpiles of critical medical equipment and supplies, as well as be used to develop plans for maintenance, distribution and sharing of those resources. This funding may also be used to support the planning and development of alternate care sites (ACS) and medical surge exercises for pandemic influenza. Examples of allowable activities include:

- Stockpiles of ventilators, ancillary supplies and oxygen,
- Personal protective equipment (PPE) and infection control supplies,
- Alternate care sites – staffing, operational plans and exercises,
- Mass fatality plans and equipment and supplies, and
- Medical surge exercises.

**Countermeasure Procurement and Advanced Development**

HHS has also made tremendous progress in addressing the Pandemic influenza medical countermeasure goals that emanate from the HSC Implementation Plan. These goals are listed on the table below.

Vaccine Goal #1	To establish and maintain a dynamic pre-pandemic influenza vaccine stockpile available for 20 million persons: H5N1 stockpiles (40 million doses)
Vaccine Goal #2	To provide pandemic vaccine to all U.S. citizens within 6 months of a pandemic declaration: pandemic vaccine (600 million doses)
Antivirals Goal #1	To provide influenza antiviral drug stockpiles for treatment of pandemic illness for 25% of U.S. population who we estimate will become clinically ill during a pandemic (75 million treatment courses <sup>1</sup> )
Antivirals Goal #2	To provide influenza antiviral drug stockpiled for strategic limited containment at the onset of a pandemic (6 million treatment courses)
Diagnostics Goal #1	To develop new high throughput laboratory and Point of Care influenza diagnostics for pandemic virus detection

<sup>1</sup> This figure assumes a severe, 1918-like pandemic.







likely to present during a pandemic, they may not closely match the virus that actually arrives. Finally, Secretary Leavitt issued a Pandemic Response Emergency Preparedness Act declaration in January 2007 to provide comprehensive liability immunity for manufacturers and administrators of H5N1 influenza vaccines.

- Antiviral Drugs. The Pandemic Influenza Plan seeks to ensure the availability of antiviral treatment courses for 25 percent of the U.S. population or 81 million treatment courses. To meet the federal stockpile goal of 50 million treatment courses of influenza antiviral drugs for treatment during a pandemic, 37.5 million treatment courses of U.S.-licensed neuraminidase inhibitors were purchased in 2006-07 and delivered to the Strategic National Stockpile (SNS). The U.S. now has domestic manufacturing capabilities for these drugs. The remaining 12.5 million treatment courses will be purchased in FY08 upon approval of the pending appropriation request. To assist States in meeting their collective pandemic stockpile goal of 31 million treatment courses of influenza antiviral drugs, \$170 million was allocated to subsidize state purchases made using a federal contract with manufacturers of antiviral drugs. To date the States have purchased 15.1 million treatment courses of influenza antivirals for their stockpiles and are expected to reach the overall goal by July 2008.
- Ventilators. The SNS will purchase 2000 new ventilators in 2007 for distribution during a pandemic or as required in other all hazards incidents and states can invest in ventilator procurements through the investments being managed through the HPP program.

- Syringes. The SNS will purchase in excess of 20 million syringe/needle units in 2007 for usage with pre-pandemic influenza vaccines.
  
- *Infrastructure Building*.
  - Vaccines. To utilize existing facilities for pandemic influenza vaccine manufacturing, two contracts were awarded in May 2007 for \$133 million for retrofitting existing domestic biological manufacturing facilities for production of egg-based influenza vaccines and providing warm base operations for up to five years. A contract solicitation for proposals to establish new domestic cell-based influenza vaccine manufacturing facilities is also expected in 2008 with manufacturing capacity requirements of at least 150 million doses of pandemic vaccine within six months.

While we have been making great strides with procurement and advanced development we have also drafted guidance on how to maximize these investments. We believe it's important to work with stakeholders in order to finalize that guidance, and that preparedness is best achieved not just by focusing on producing additional products, but by assuring that they are deployed and used optimally. This requires leadership in developing guidance and promoting preparedness, consultation with those who have a critical role in implementation (including states and professional societies), and understanding and overcoming any barriers to achieving success.

### **Federal Preparedness Planning**

For the past six months, ASPR has been a lead partner in the development of a U.S. Government-wide Pandemic Influenza Strategic Plan, which describes what steps Federal Departments will take to respond to the emergence of a novel influenza virus abroad and here in the homeland. This strategic planning process further codifies the HHS public health and medical responsibility to mitigate illness and reduce deaths

during a pandemic through the provision of medical countermeasures and materiel, community mitigation guidance, necessary laboratory and surveillance tools, and some of the nation's finest public health and medical emergency response personnel.

The Department's operational plan for pandemic influenza response details how HHS will fulfill its important responsibilities and how ASPR will coordinate the deployment and utilization of HHS assets and expertise. This plan, or playbook as we call it, will be further refined in the coming months to ensure a seamless integration with the U.S. Government-wide Plan. Further, HHS Operating Divisions including the CDC are developing their own detailed operational plans that are aligned with the Department's plan to enable a cohesive Departmental preparedness approach. A goal for next year is to work with states to develop regional playbooks that will continue to promote integrated planning across all tiers of government.

HHS held a number of exercises to test the operational plans I have described. ASPR hosted Department-wide exercises with senior leadership to test how we will leverage the full scope of HHS resources and capabilities in response to pandemic influenza. ASPR has pre-identified six Senior Federal Officials to work in coordination with the pre-designated Pandemic Influenza Principal Federal Officials, and our Senior Federal Officials are engaged in State-sponsored exercises taking place in their regions. In addition, CDC launched an extensive exercise program to identify planning gaps and stretch the limits of their assumptions and response strategies.

The last two exercises have included state participation to promote seamless preparedness integration across the different tiers of response. The state participants were actively involved in the planning meetings leading up to the conduct of both of these CDC-sponsored exercises.

- April 25-27, 2007: coordinated activities with State Emergency Operations Centers (EOCs) and State Health Department EOCs from three states (Arkansas, Florida and Ohio).
- August 14-16: CDC Pan Flu Surge exercise, where representatives from five states (Arkansas, Florida, Georgia, Michigan and Ohio) served in our Exercise Control Group to replicate the activities of their states and those of other states that were not actively represented.

The CDC's Division of Strategic National Stockpile (DSNS) also conducted a number of exercises. For example:

- *Operation Wild Canary*, a full scale exercise executed in partnership with the State of Iowa. The purpose of the exercise was to test antiviral distribution from the federal stockpile down to the local treatment facility. During the exercise the DSNS deployed training material exactly replicating Iowa's pro-rata allocation of antiviral drugs to the state receipt, stage, and store site in Des Moines. From there the state sent antiviral drugs on a pre-established allocation to distribution hubs throughout the state. Local treatment facilities then received their antiviral allocation from the distribution hubs.

Some examples of state and local promising practices in pandemic influenza activities include:

- Maine
  - Formed pandemic influenza workgroups on all levels including:
    - Statewide Steering Committee including public constituents
    - County Pandemic Influenza Planning Groups including public constituents and association and governmental members at the county and local level.

- Intergovernmental Pandemic Influenza Planning Committee including the Departments of Agriculture and Inland Fisheries, the Maine Emergency Management Agency, and Maine Emergency Medical Services.

- Wisconsin

The state has significantly improved planning for treatment centers resources and personnel. As a result of pandemic influenza planning the state has a better understanding of their treatment facilities' capabilities, as well as an accurate location and point of contacts for each treatment facility, which has helped to improve their overall level of preparedness.

- Atlanta, Georgia and Los Angeles County, California

- Both cities are working with the Business Executives for National Security (BENS) to engage local corporations in preparedness planning.
- In an upcoming exercise drill, the L.A. Business Force/Homeland Security Advisory Council will be the first private-sector representative ever included in a security exercise at the vital Port of Los Angeles/Long Beach, the gateway for 40 percent of all U.S. trade.

Thank you for the opportunity to present the progress HHS has made in national preparedness for pandemic influenza. With your leadership and support, we have made substantial progress. The threat remains real, and we have much left to do to ensure that we meet our mission of a Nation prepared for a potential influenza pandemic.

This concludes my testimony. I will be happy to answer any questions.