

# Pandemic Preparedness and Response at CDC

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# Things this audience should know about CDC and AI response

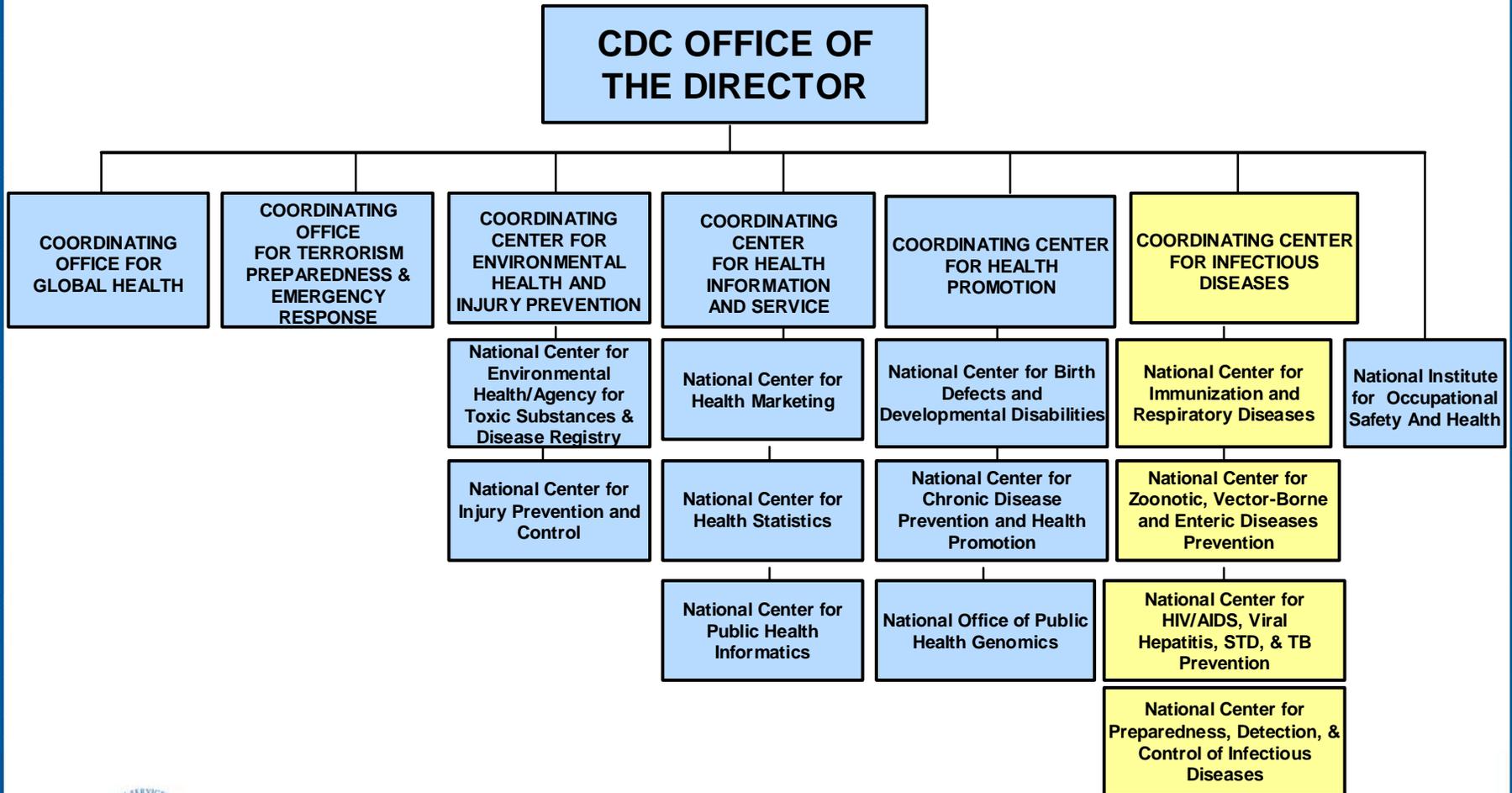
- Recent reorganization - where to find the people you need
- On-going pandemic influenza activities
- Research regarding the AI Animal:Human interface
- One Medicine perspective

The content of this presentation is the opinion of the author and is not necessarily representative of the Centers for Disease Control and Prevention

# Re-organization

- The National Center for Infectious Disease became four separate centers under the umbrella of the Coordinating Center for Infectious Diseases
- Officially accepted by HHS in May, 2007

# Coordinating Center for Infectious Diseases





**... a multidisciplinary strategy to prevent, control, and, where possible, eliminate infectious diseases within a larger ecological context that includes humans, animals, and plants interacting in a complex, ever-changing natural environment.**





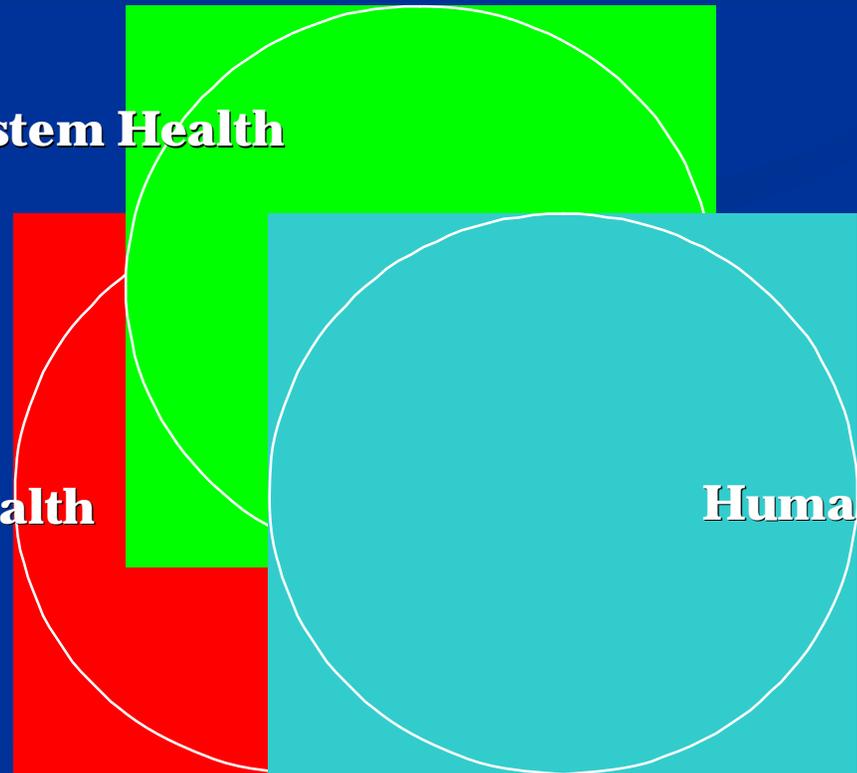
# ZVED

National Center for Zoonotic,  
Vector-Borne, and Enteric Diseases

**Ecosystem Health**

**Animal Health**

**Human Health**



# Who does flu at CDC?...everybody

- Influenza Division
  - NCIRD, seasonal influenza, seed strains for vaccines, labs, research, Dr. Nancy Cox
- Influenza Coordination Unit
  - CCID, permanent unit, funding, decision-makers, Dr. Steve Redd
- Influenza Task Force
  - Core representatives from 18 CIOs
- NCZVED

# CDC Pandemic Preparedness





CDC INFLUENZA PANDEMIC OPLAN  
20 MARCH 2007

# CDC INFLUENZA PANDEMIC OPERATION PLAN (OPLAN)

20 MARCH 2007



DEPARTMENT OF HEALTH AND HUMAN SERVICES  
CENTERS FOR DISEASE CONTROL AND PREVENTION

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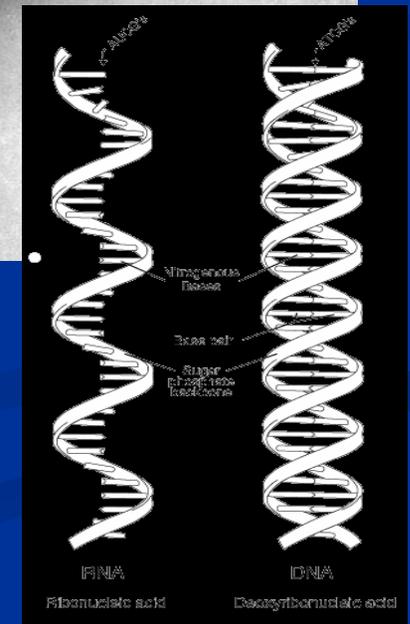
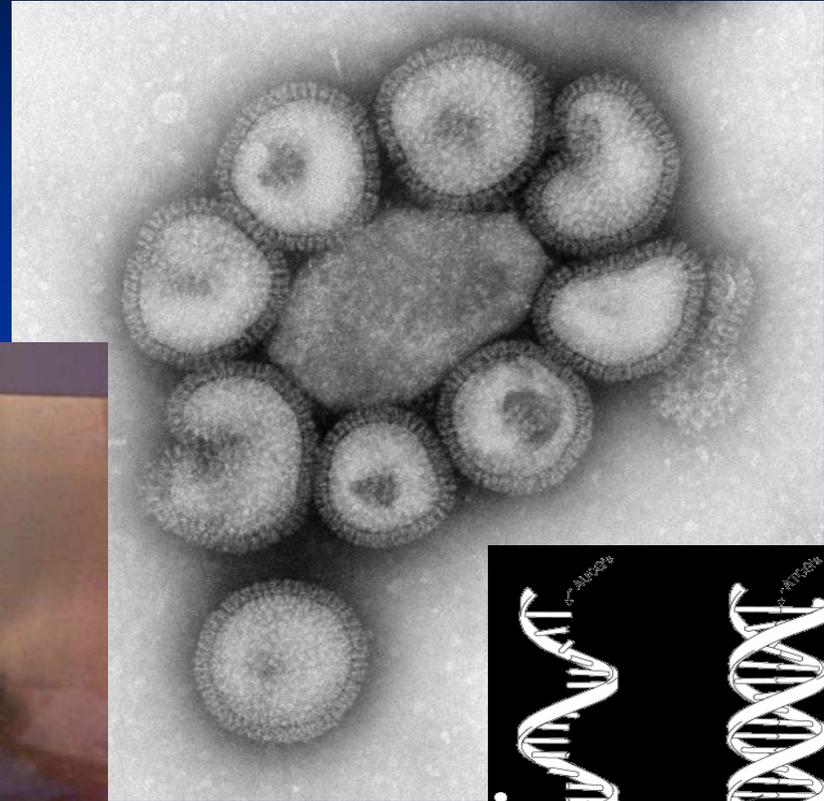
# OPLAN:

## (selected) planning assumptions

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- Initial responsibility is local
- Gaps in PH<sub>s</sub> services
- DEOC activated
- Usual CDC activities suspended
- SNS and PPE moved to states when human-to-human transmission verified
- Increased anxiety nationally

# Research and Laboratory



# **Developing and Improving Diagnostic Tests and Countermeasures**

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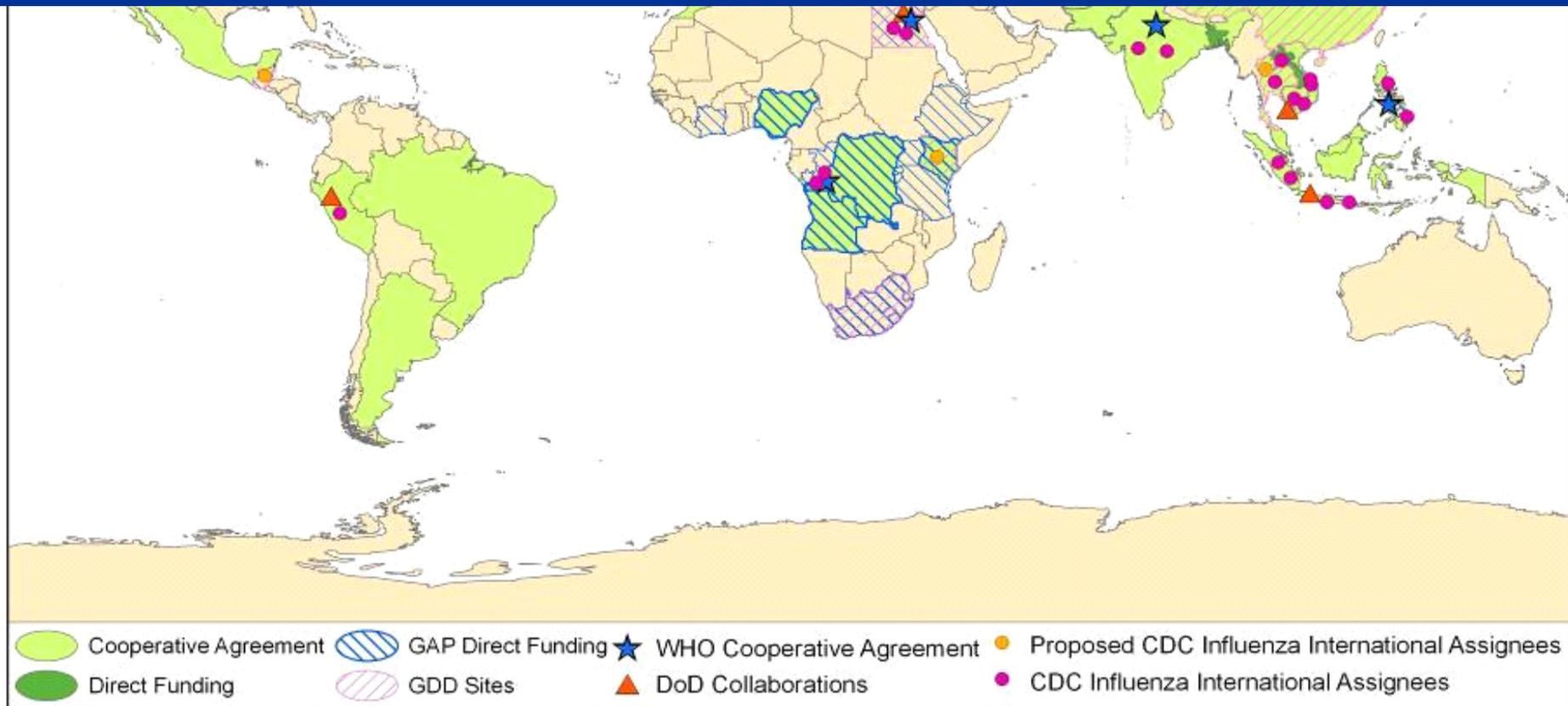
- **Supporting the development of improved diagnostic tests, including point-of-care tests**
- **Developing and distributing modified avian influenza viruses for the use in manufacturing pre-pandemic vaccines**
- **Conducting research to improve our understanding of influenza virulence and transmission**

# Expanding and Enhancing Surveillance and Response

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- Providing training, technical assistance, and diagnostic reagents to improve lab capacity domestically and internationally
- Conducting training programs for rapid response teams in Africa, Asia, Central Asia, Latin America, and the US (including CDC staff)

# International Activities and Support FY 2006

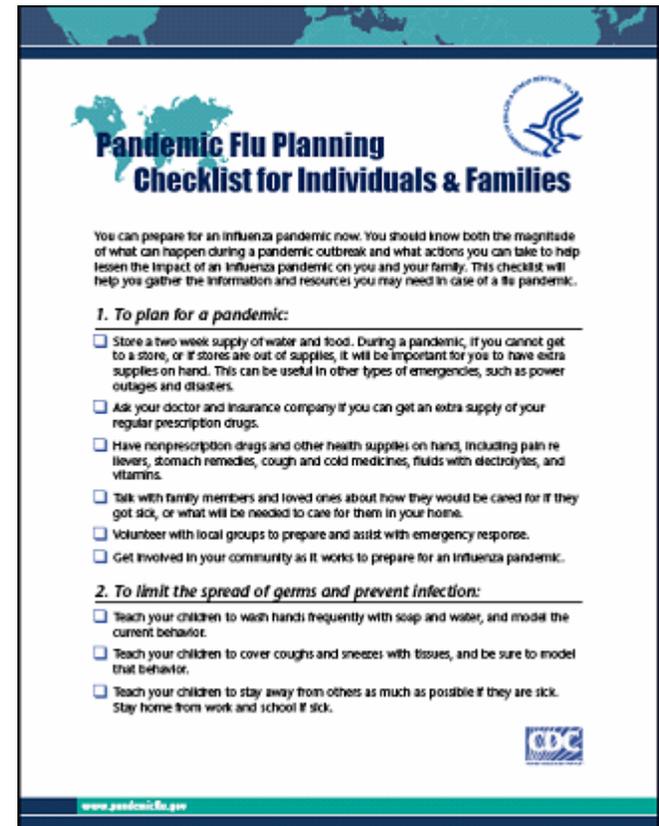


# **Developing and Implementing Disease Containment and Mitigation Strategies**

- **Working with other federal agencies and travel industry regarding border and travel-related interventions**
- **Issued interim guidance on community mitigation strategies**
- **Supporting studies of non-pharmaceutical, community-level measures to decrease transmission**
- **Assisting with provision of antivirals and vaccines**

# US Pandemic Influenza Checklists

- State and Local Agencies
- Business
- Preschool
- Schools (K-12)
- Colleges & Universities
- Faith-Based & Community Organizations
- Physician Offices and Ambulatory care
- Home Health
- Emergency Medical Services
- Travel Industry
- Individuals and Families



<http://www.cste.org/influenza/avian.asp>

- **...a standardized curriculum to state and local public-health responders about how to identify and control human infections and illness associated with avian influenza A (H5N1).**
- **Users are encouraged to download and use these free materials including presentations, case studies, and tabletop exercises and adapt the materials to meet the training and preparedness needs of individual state health agencies.**

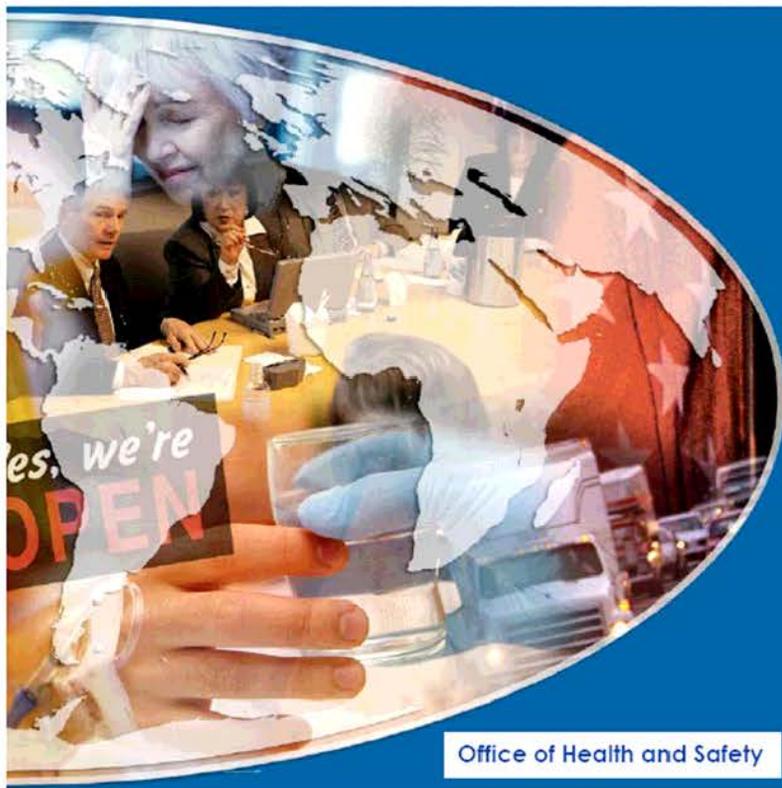
# Workforce Protection



[www.hi-tm.com/Documents/Image4.gif](http://www.hi-tm.com/Documents/Image4.gif)



Centers for Disease Control and Prevention  
Pandemic Workforce Protection Plan



Office of Health and Safety

DRAFT  
January 19, 2007

# What's Included in the CDC Workforce Protection Plan?

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- **Personal and Family Readiness**
- **Keeping the Workplace Safe**
- **Assuring the Safety of CDC Deployments**
- **Managing Illness within the Workplace**
- **Guidance for Supervisors and Managers**
- **Mental Health and Resiliency During Pandemic**

# Director's Emergency Operations Center



# Research that addresses the AI animal human interface

- CDC
  - Cooperative agreements with U of MN, CO State, National Institute of PH-The Netherlands, UGA, Mahidol U-Thailand
- NIH, NIAID
  - Centers of Excellence at St. Jude, UCLA, U of MN, Emory, Mt. Sinai, U of Rochester NY

# ONE MEDICINE

- A priority for AVMA and AMA
- 60% of current infectious diseases are shared by humans and animals
- 80% of emerging infectious diseases are zoonotic
- If HPAI H5N1 doesn't cause a pandemic, another zoonotic agent probably will

**We need to work together**