

Avian and Human Influenza: Key Components and Resource Requirements

Meeting on Avian Influenza and Human
Pandemic Influenza
Geneva
November 7-9, 2005

Session Objective

- To identify the key next steps based on the agreed strategy
 - To control avian influenza at source in animals and simultaneously prepare for pandemic influenza
 - To support integrated national plans, and regional/global support

Integrated Country Plans

- **Objective:** control at source and pandemic preparedness
- **Coordination** across sectors with emphasis on health and agriculture
- **Develop** and **operationalize** integrated country plans as the basis for funding and donor coordination
- **Appraisal** by financing partners
- **Timeframe:** immediate vs. medium term

Costing Country Programs

- Costs to follow functions
- Use integrated country programs as the basis for estimating total costs
- Source of financing can be government's own revenues, existing ODA, new funding
- Costs are not a reflection of gaps in financing needs

Costing Country Programs – cont'd

- Country programs may cost about US\$0.75–1.0 billion over the next 3 years (20% contingency planning may be considered)
- Figures are only indicative & will change rapidly if situation changes
- Most resources should be at the country level (at least 90%)

Costing Country Programs-cont'd

- Assumptions make a big difference.
 - Costs of antivirals and vaccines for humans dealt with separately.
 - Compensation included but depends on size of infected flock, country strategy, price of poultry, and compensation rates
 - Countries included: all affected countries, countries at risk. Costs for preparedness plans for other others.
 - Country estimates depend on phase of disease, structure and size of poultry industry, disease epidemiology, and country capacity etc.

Regional Level Support

- Regional activities
 - Reference laboratory support for diagnosis for surveillance
 - Coordinate surveillance and interventions across countries
 - Communications
 - Respond to demands from countries, especially in terms of capacity building efforts and quality support
- Mechanisms for involvement of regional bodies and technical organizations (e.g. APEC, ASEAN)

Global Level Support

- Global activities
 - Good governance, policies and standards
 - Global strategies
 - Laboratory support for diagnosis for surveillance
 - Vaccine, antivirals and drug development
 - Coordinate surveillance and interventions across regions
 - Outcome indicators
 - Communications
 - Information, lessons learned etc.

Regional Level Estimates

- Key is to identify what activities are regional versus country and global
- Need a process to appraise regional proposals
- Criteria should be developed by January, 2006

Global Level Estimates

- Animal Health – costs estimated at about \$8 million for 3 years (FAO/OiE)
- Human Health – costs estimated at about \$35 million for two years (WHO estimates)
- Costs of vaccines and antivirals for humans are considered separately.

Next Steps on Costing

- Agree on costing guidelines for integrated country programs
- Prepare and cost integrated country programs
- Agree on appraisal criteria and costing guidelines for regional and global proposals
- Ensure funding for urgent needs
- Address vaccine and antiviral needs for humans – WHO to follow-up.

The END



Vietnam: Case Study of Endemic Situation (2005-2007- 3 year program)

	Animal Health	Human Health (draft)	Total
Planning	0.3	0.3	0.6
Early Warning & Surveillance	5.7	5.5	11.2
Awareness and Public Information	4.0	3.0	7.0
Capacity Building			
- Training	4.0	1.5	5.5
- Laboratory Equipment	4.5	3.0	7.5
- Market biosecurity	9.3		9.3
Health System Preparedness		6.5	6.5
Vaccination (2 year mass vaccination)	22.0		22.0
Coordination and Monitoring	0.2	0.2	0.4
Compensation (Transfer Payment)			
Total	50.0	20.0	70.0

Other cases

- Other countries are likely to be different from Vietnam – poultry population, institutional capacity, status of disease
- Newly infected countries: costs range \$1 - \$15 million for animal health, depending on scenarios. Human health estimates have similar range - \$5- \$12 million, depending on status (costs depend on country situation and capacity)
- Countries at risk: preparedness plans