

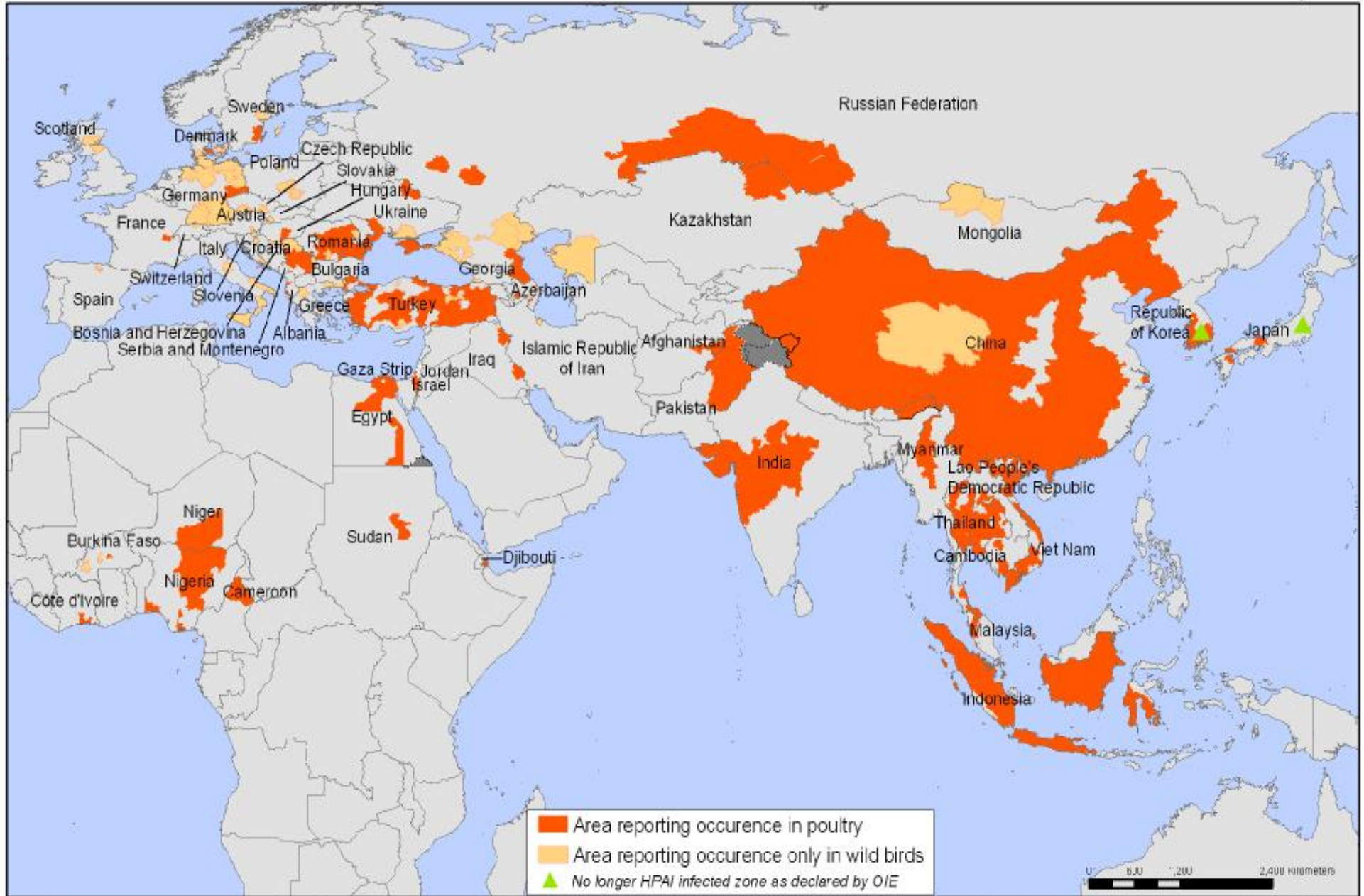
**Influenza Pandemic
Preparedness
*Thailand***

**Influenza Program Office
Department of Disease Control
Ministry of Public Health**

7 September 2006

Areas reporting confirmed occurrence of H5N1 avian influenza in poultry and wild birds since 2003

Status as of 2 August 2006
 Latest available update



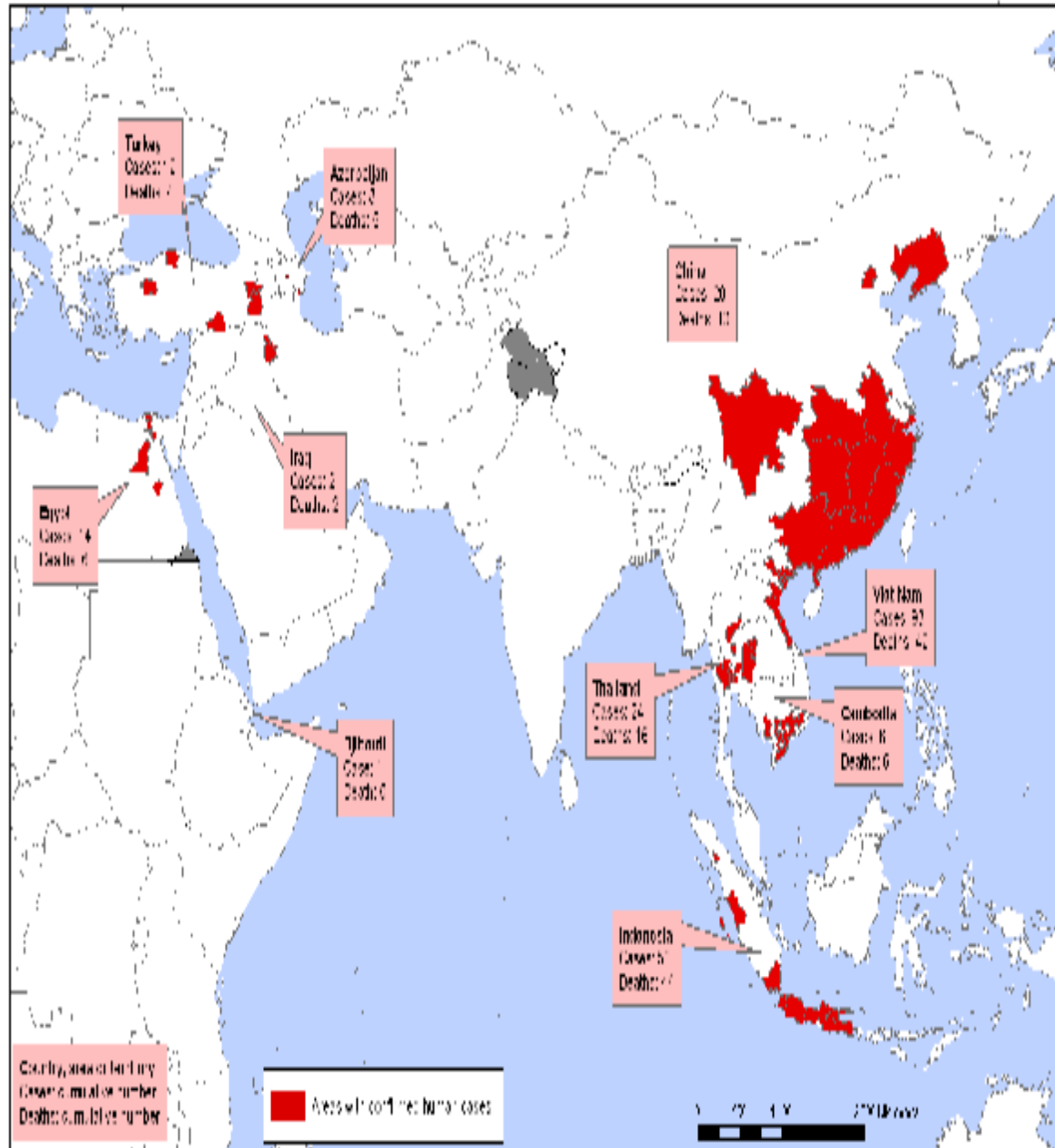
© WHO 2006. All rights reserved

The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted lines on maps represent approximate border lines for which there may not yet be full agreement.

Data Source: World Organisation for Animal Health (OIE) and national governments

Map Production: Public Health Mapping and GIS

Communicable Diseases (CDS) World Health Organization



Human cases of H5N1 avian influenza since Dec 2003 (as of 21 Aug. 06)

Country Cases /Deaths

Azerbaijan	8 / 5
Cambodia	6 / 6
China	21 / 14
Djibouti	1 / 0
Egypt	14 / 6
Indonesia	59 / 46
Iraq	2 / 2
Thailand	24 / 16
Turkey	12 / 4
Vietnam	93 / 42
Total	240 / 141



The names and codes shown on the products used in this report do not imply the approval or endorsement of the World Health Organization concerning the legal status of such products, nor do they imply a standard or specification of the products or their quality. Where necessary, appropriate reference should be made to the relevant national regulatory authority.

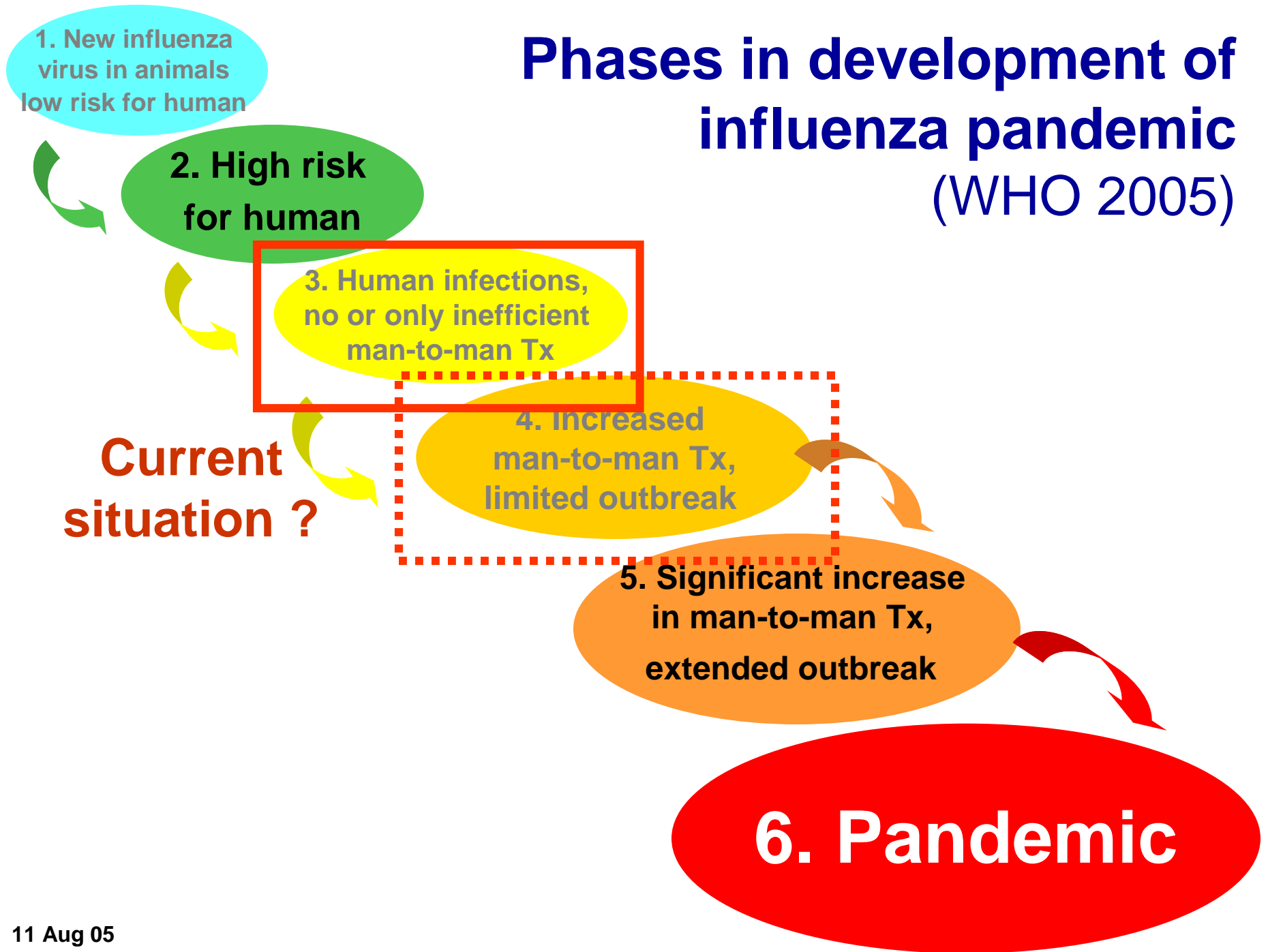
World Health Organization
 Geneva, Switzerland
 Copyright © 2006. All rights reserved.

Source: WHO

Summary of AI Situation, Thailand

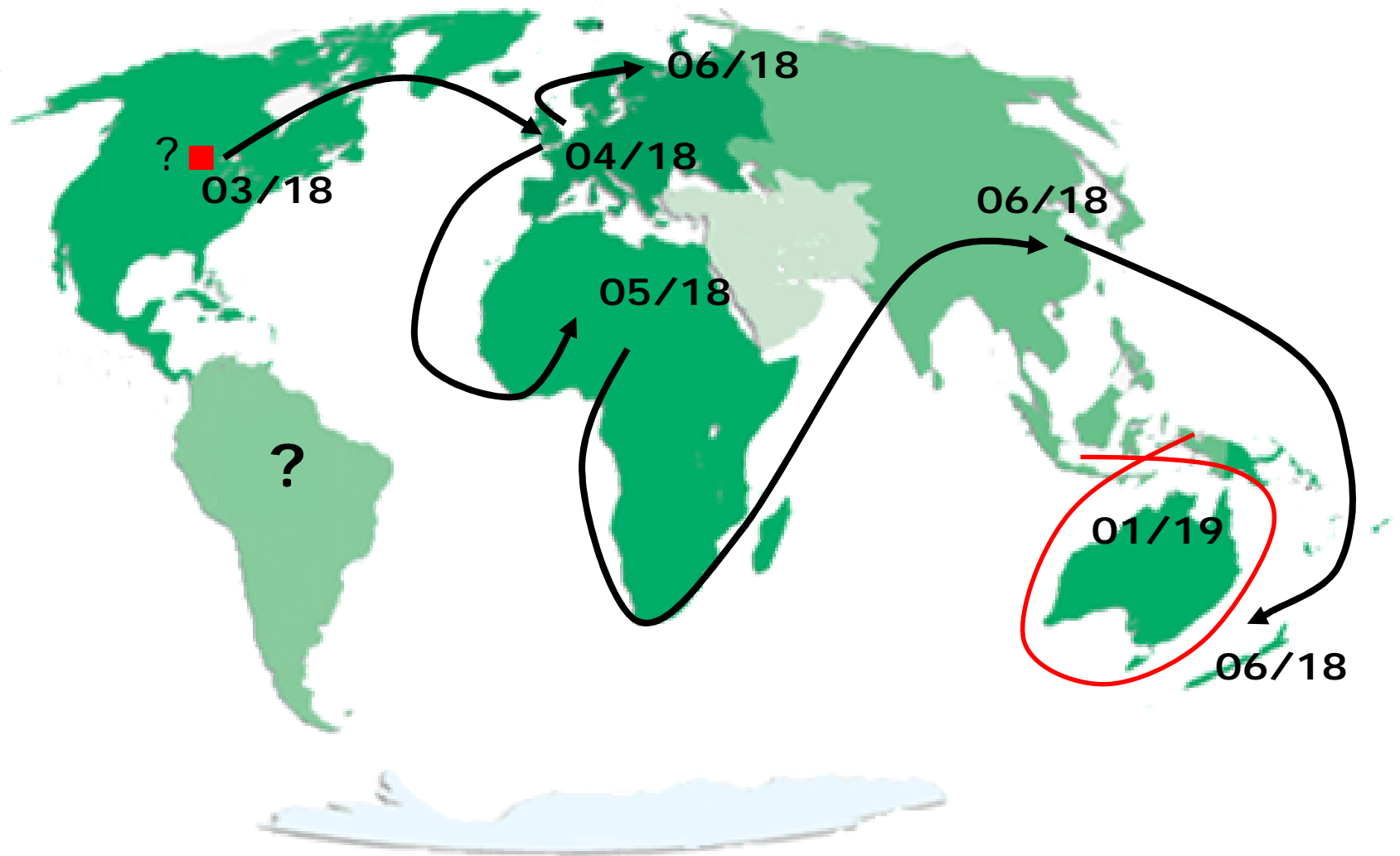
Indicators	1 st round	2 nd round	3 rd round
Cases (Poultry)	190	1,539	75
Province	42	51	11
Sub-district	~ 890	784	55
Culled	30 M	3 M	417,146
Compensation cost (USD)	~ 130 M	~ 5 M	~180,000
Backyard	63%	58%	76%
Human case (cases/deaths)	12/8	5/4	5/2

Phases in development of influenza pandemic (WHO 2005)



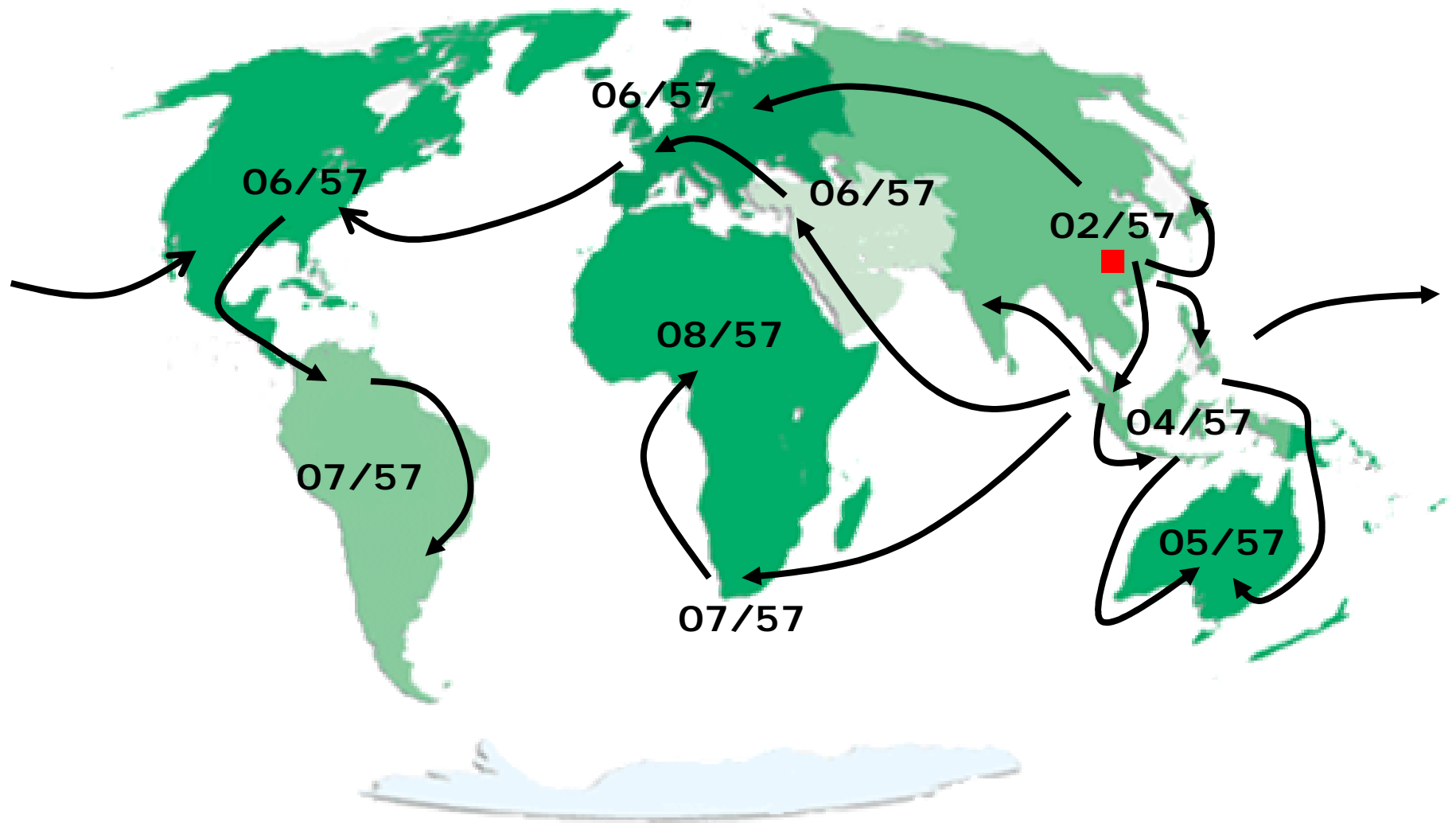
11 Aug 05

Geographic spread: 1918-19

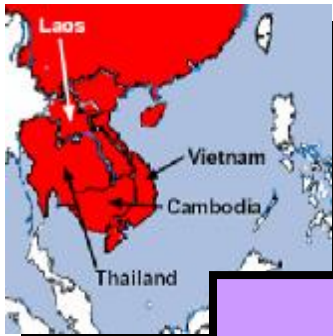


C.W. Potter, Textbook of Influenza, 1998

Geographic spread: 1957-58



C.W. Potter, Textbook of Influenza, 1998



Regional Preparedness

Regional Preparedness



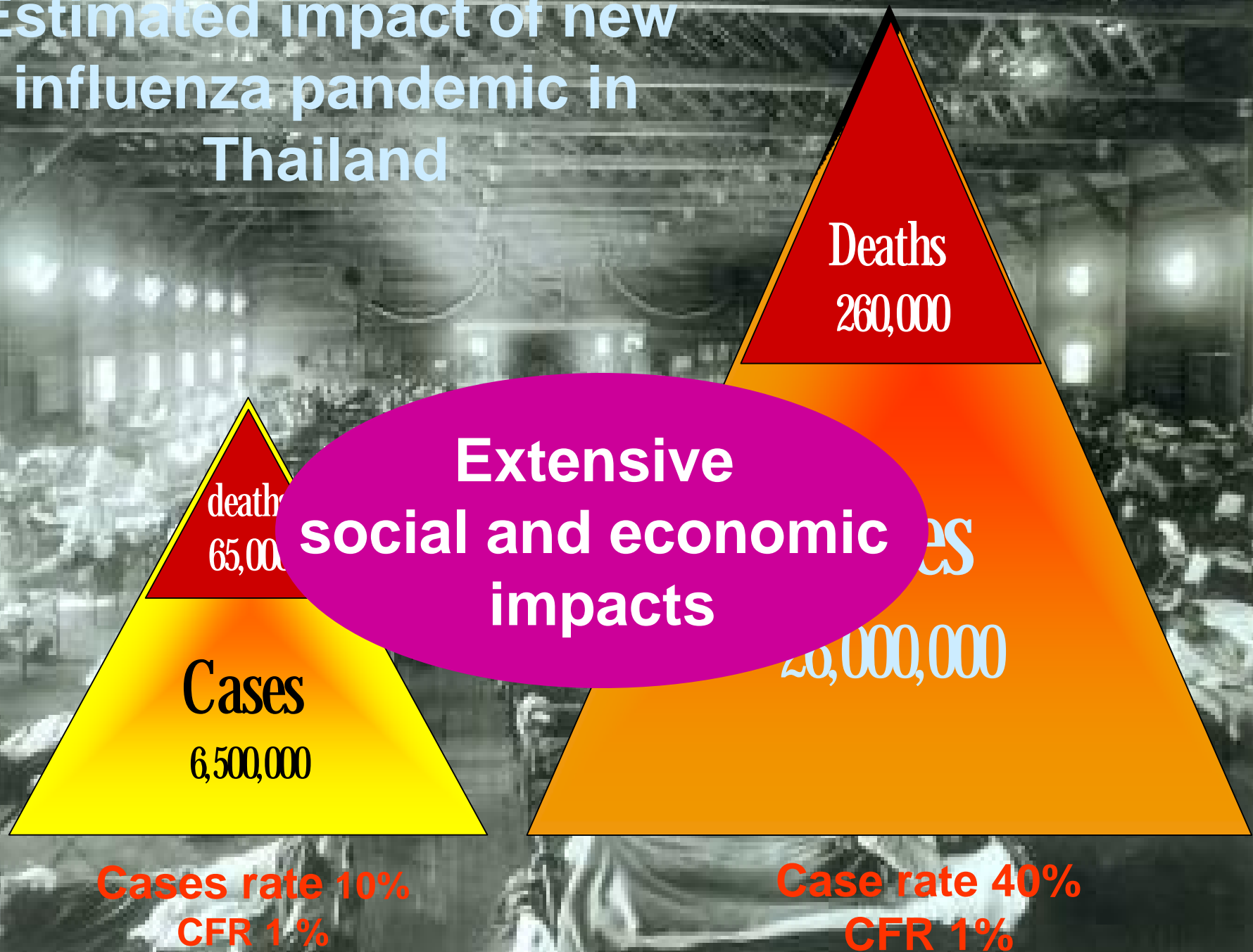
Thailand's preparedness

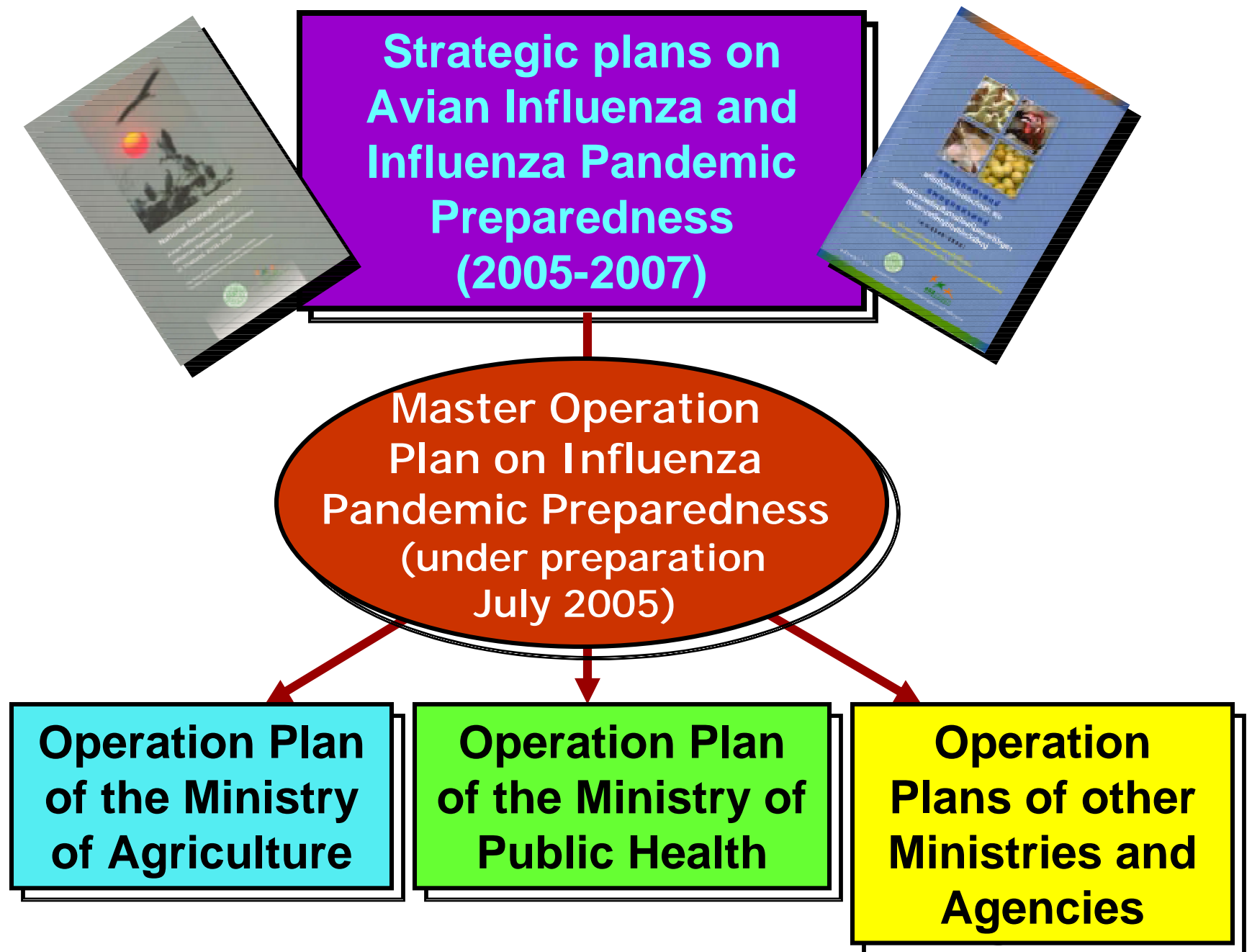
National Preparedness

National Preparedness

National Preparedness

Estimated impact of new influenza pandemic in Thailand





Progress of the implementation of
pandemic preparedness

i Surveillance—in man &

- Influenza surveillance
Strengthened

i Stockpiling and lo

- National antiviral stockpile initiated
- Logistic system under improvement
- Clinical trials of

i Emergency respo

- Case management guidelines revised
- Training & supervision underway
- Isolation rooms under improvement/construction

∅ Public health

∅ Community

i Public communic

- Master operation plan prepared
- Pandemic preparedness plan to be integrated in national disaster preparedness plan
- To initiate table-top exercise on PPP at provincial level

i Coordination and

Activities and budget*

(Approx. mill. UDS)

Strategy / activities	Responsible offices	Budget 2005	Budget 2006	Budget 2007
Strengthening surveillance	DDC, DMS, DLD, DWL, Universities	0.40	0.40	0.40
Stockpiling of medical supplies & equipment	DDC, DHSS	5.55	4.52	4.52
Emergency response preparedness	All state agencies including Budget Bureau	0.68	0.64	0.64
Public communications	Office of PM, public health organizations, THPF	0.30	0.30	0.30
Development of integrated coord. & management	NSTDA, MOPH, Office of PM	0.25	0.25	0.25
TOTAL		7.18	6.11	6.11

* Preliminary budget approved in principle, effective budget to be secured annually

Network



Hospital



(SRRT)



Veterinarian



Laboratory

Pathologists



- History screening at all hospital
- Testing of respiratory specimen
- Survey of village and identify exposure
- Active case finding and monitor household member for 10 days
- Antiviral prophylaxis for family member of confirm H5 cases
- Educated villagers to avoid risk
- Culling of affected poultry
- Control of poultry movement

Strengthening Laboratory Capacity & Networking



- § Establish Lab Network : NIH, NIAID, University, Military, etc.
- § Equip and train 13 regional labs nationwide for molecular technique testing
- § Rapid tests for flu A,B at all hospitals
- § Enhance laboratory biosafety and biosecurity

Case Management & Hospital Infection Control

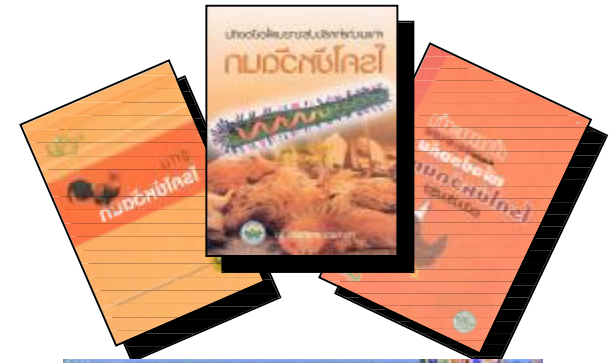
- Ø Standard guidelines and training on case management; including triage system, rational use of rapid test and antiviral
- Ø Infection control in hospitals
 - Isolation rooms
 - Personal protection equipment (PPE)
 - Hand hygiene



3 Mar 06

Public Communication

- Dissemination of messages through various media, including call centers
- Messages:
 - For general population: knowledge on AI, update on disease situation, advice on food safety and risk avoidance
 - For risk groups: emphasizes on personal protection and safety, and proper handling of poultry
- During outbreak: Centralized media releases, providing daily update of situation and public advices



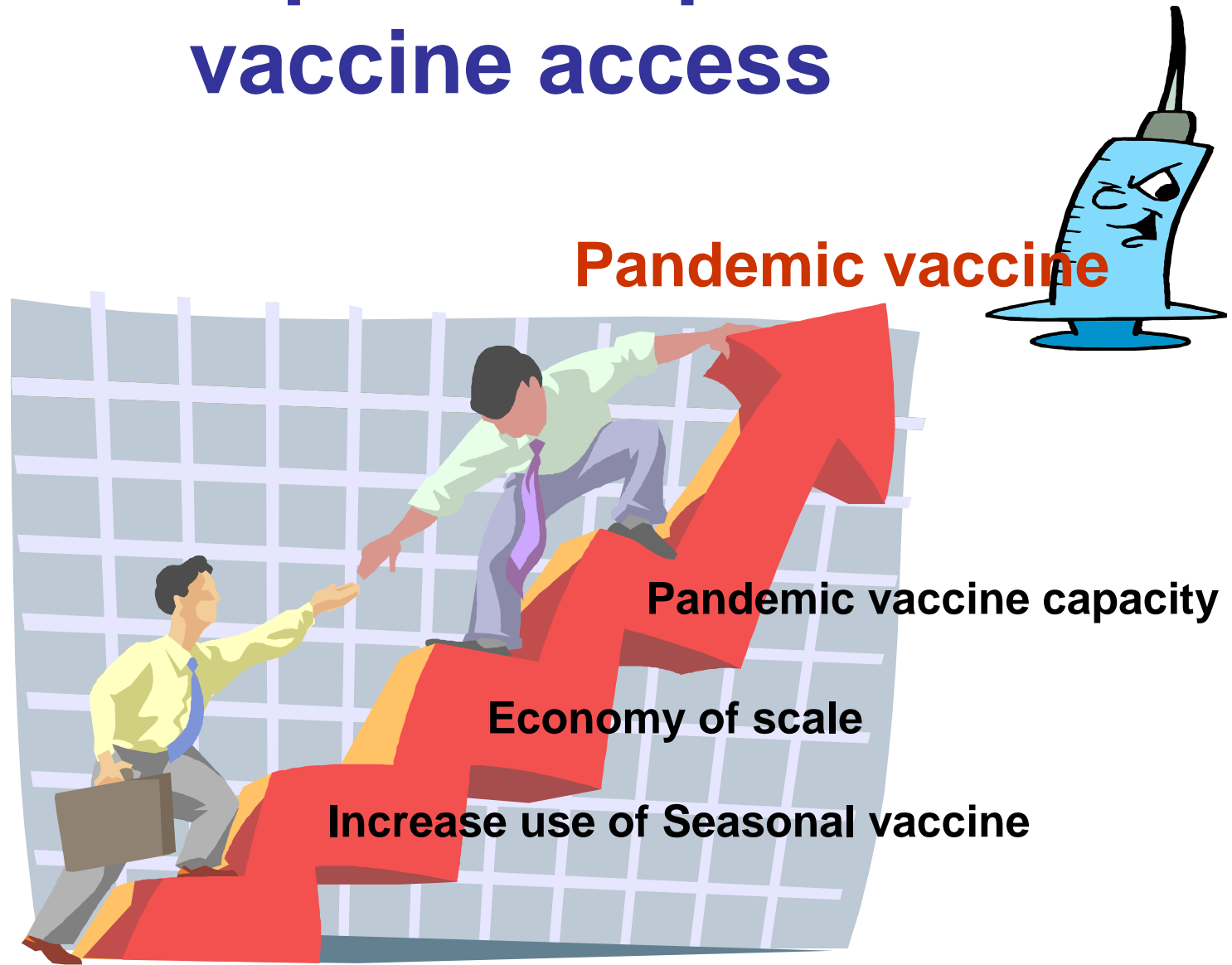
Stockpiling and logistics

- Vaccine
- Antivirals
- Diagnostic test kits
- Respirators
- PPE



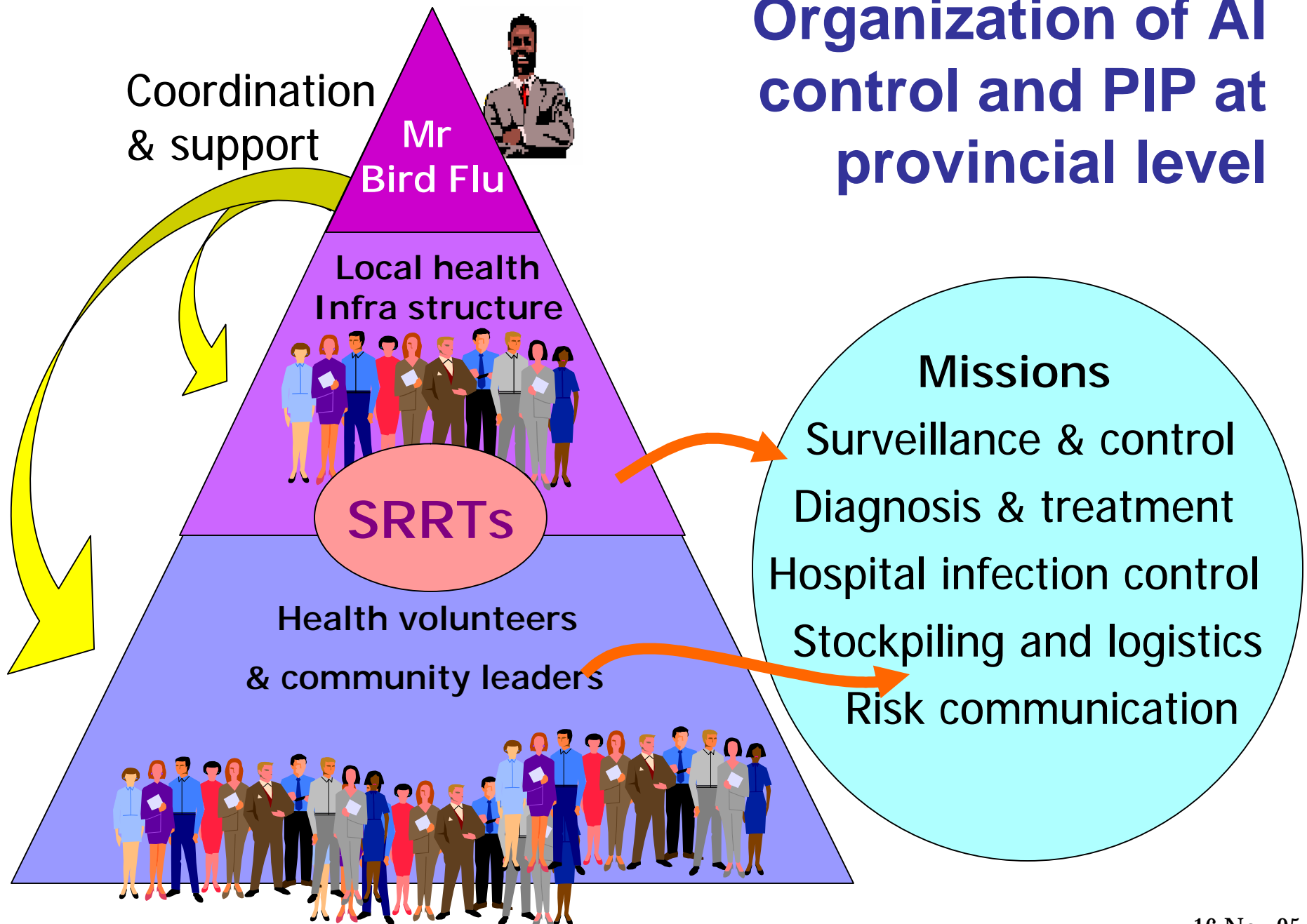
3 Mar 06

Roadmap toward pandemic vaccine access



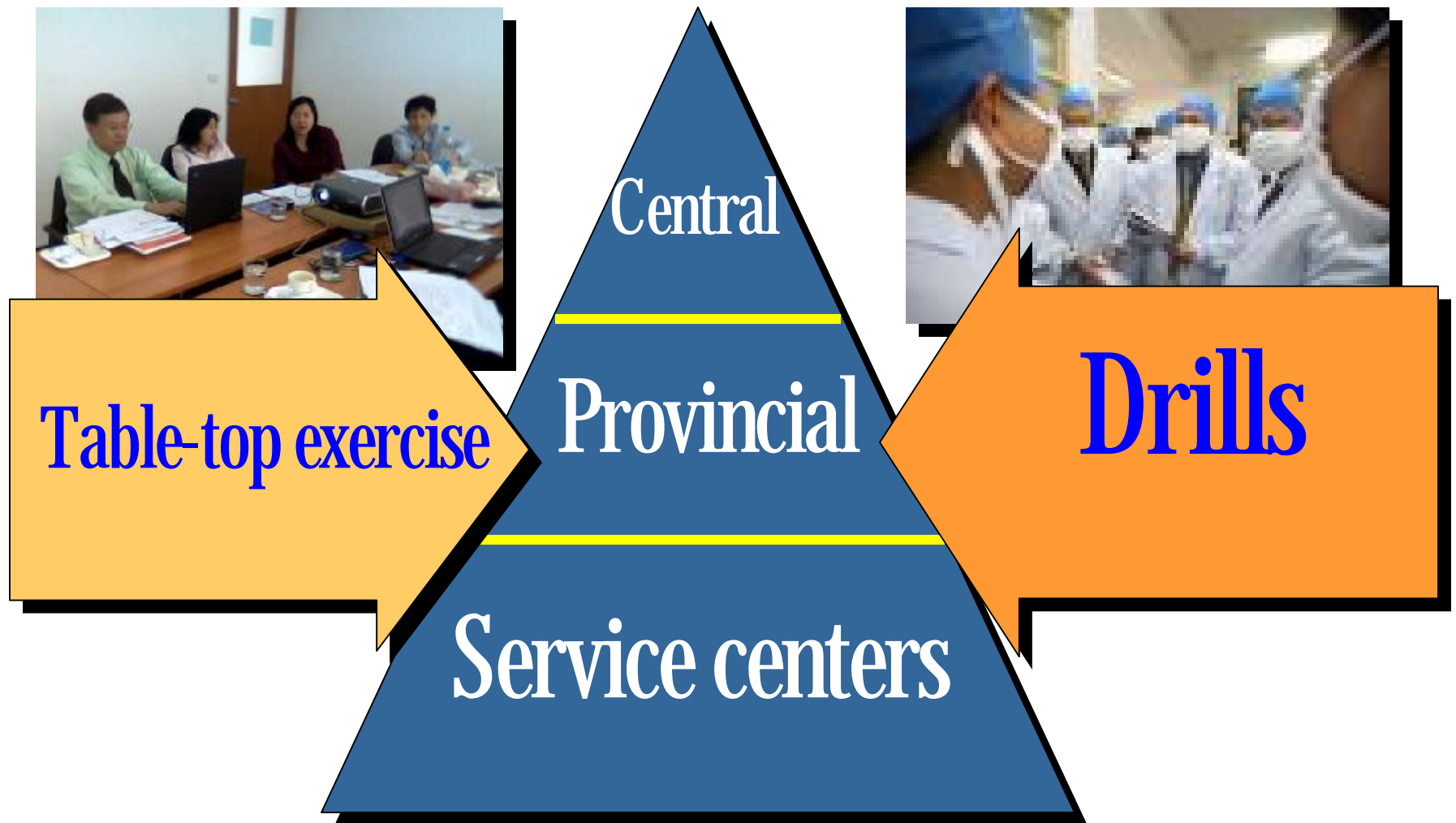
7 Feb 05

Organization of AI control and PIP at provincial level



16 Nov 05

Pandemic Response Exercise



Calendar for Tabletop Exercise



New Cabinet

**APEC
Tabletop
Exercise
8-9 June 06**



Central level

Pending



Ratchaburi



Naconnayok

Since March 06




Other
Provinces

23 June 06

คู่มือ
การฝึกซ้อมแผนชนิดบนโต๊ะ

เพื่อเตรียมความพร้อมรับการระบายนภัยของโรคไข้หวัดใหญ่
ระดับจังหวัด
 สำหรับผู้จัดการฝึกซ้อมและวิทยากร
 พ.ศ. 2549

Tabletop
 Exercise


 กระทรวงสาธารณสุข

แผนเตรียมความพร้อม

ป้องกันและแก้ไขปัญหาการระบายนภัย
 ของไข้หวัดใหญ่
 พ.ศ. 2549

ภายใต้แผนยุทธศาสตร์

- แก้ไขปัญหาโรคไข้หวัดนก
- เตรียมความพร้อมในการป้องกันและ
 แก้ไขปัญหาการระบายนภัยของไข้หวัดใหญ่
 (พ.ศ. 2548-2550)

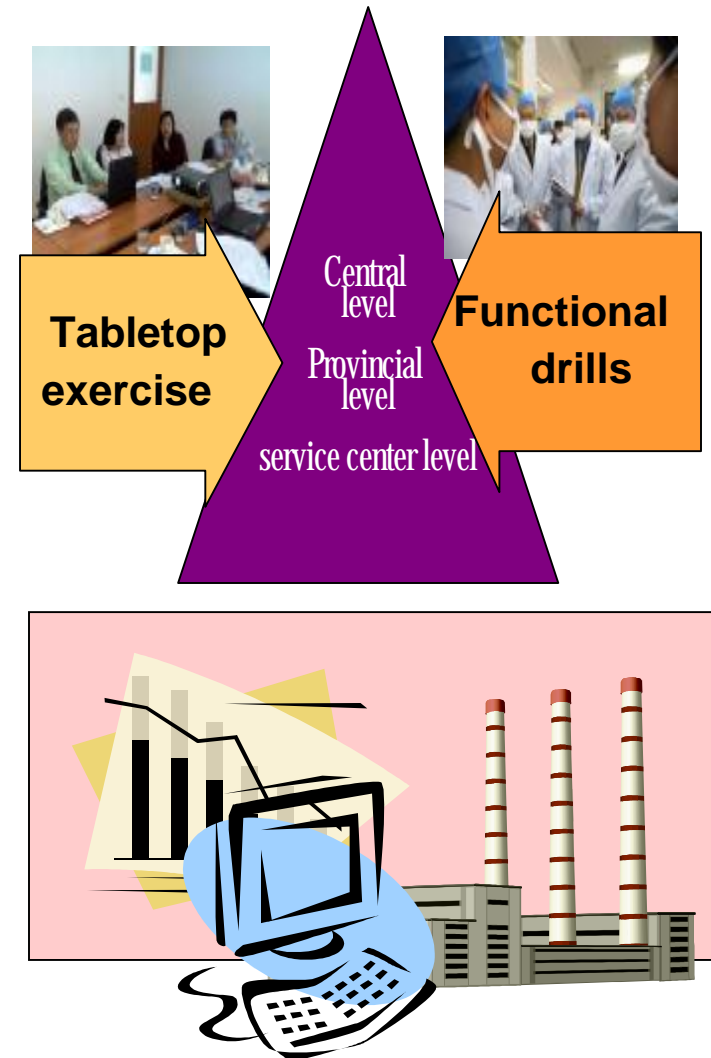
 กระทรวงสาธารณสุข



Manual for Tabletop Exercise, Provincial Level

What next ?

- Implement pandemic preparedness plan and conduct tabletop exercise and functional drills, emphasizing on provincial and community levels, to ensure efficient operations that include risk communication
- Support and facilitate private sector preparedness, as this constitutes major component of national preparedness



Conclusion

- i** Thailand has initiated a national influenza pandemic preparedness plan (NIPP), and has made initial progress in implementation of the plan.
- i** However, NIPP implementation is a gigantic national endeavor which requires extensive and intensive multi-sectoral cooperation. Huge limitations and gaps remain to be managed in immediate and longer terms.
- i** As the extent of AI is multi-regional and the threat of IP is global; and large gaps in resource, technology and management are lying in front of fellow countries; regional and international cooperation for AI control and IP preparedness is extremely crucial.
- i** Global security from AI and influenza pandemic is of higher priority and urgency than benefits from trade and tariff. Therefore, rules and regulations related to trade and IPP should be applied with highest flexibility to support availability and access to antivirals and vaccine against the pandemic for all countries.
- i** Thailand is keen to collaborate with regional partners to the fullest extent, especially in capacity building to ensure regional/ global safety from AI and IP..

A sunset scene with a boat on a river and a temple silhouette in the background. The sky is a warm orange and yellow, and the water reflects the light. The temple silhouette is dark against the bright sky. The boat is in the foreground, with several people on board. The text "Thank You" is overlaid in a large, blue, 3D font.

Thank You