

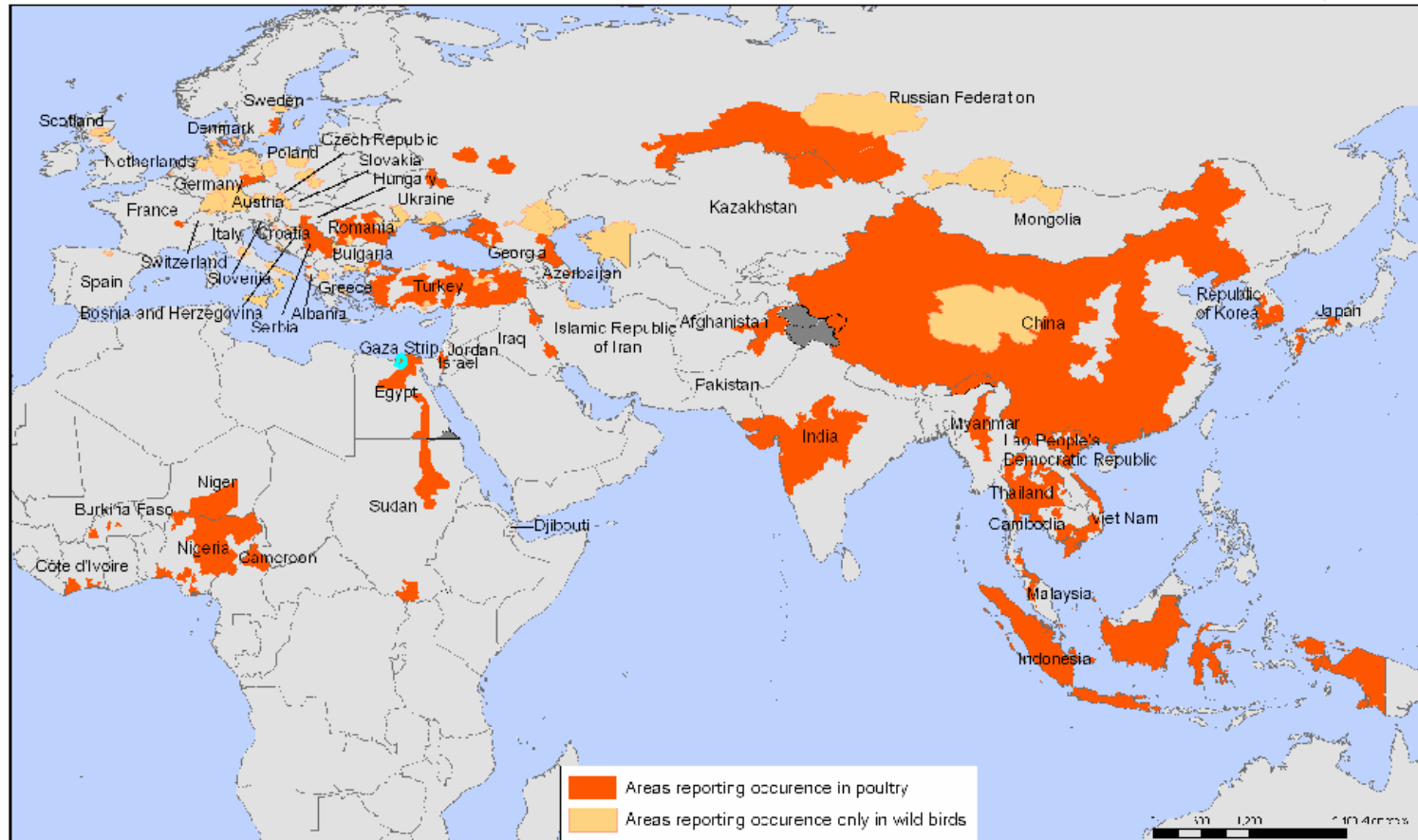
AH5N1

Update to 23 January 2007

Areas reporting confirmed H5N1 avian influenza in wild or domestic birds, since 2003

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

Status as of 23 January 2007
Latest available update



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Data Source: World Organisation for Animal Health (OIE) and national governments
Map Production: Public Health Mapping and GIS Communicable Diseases (CDS) World Health Organization

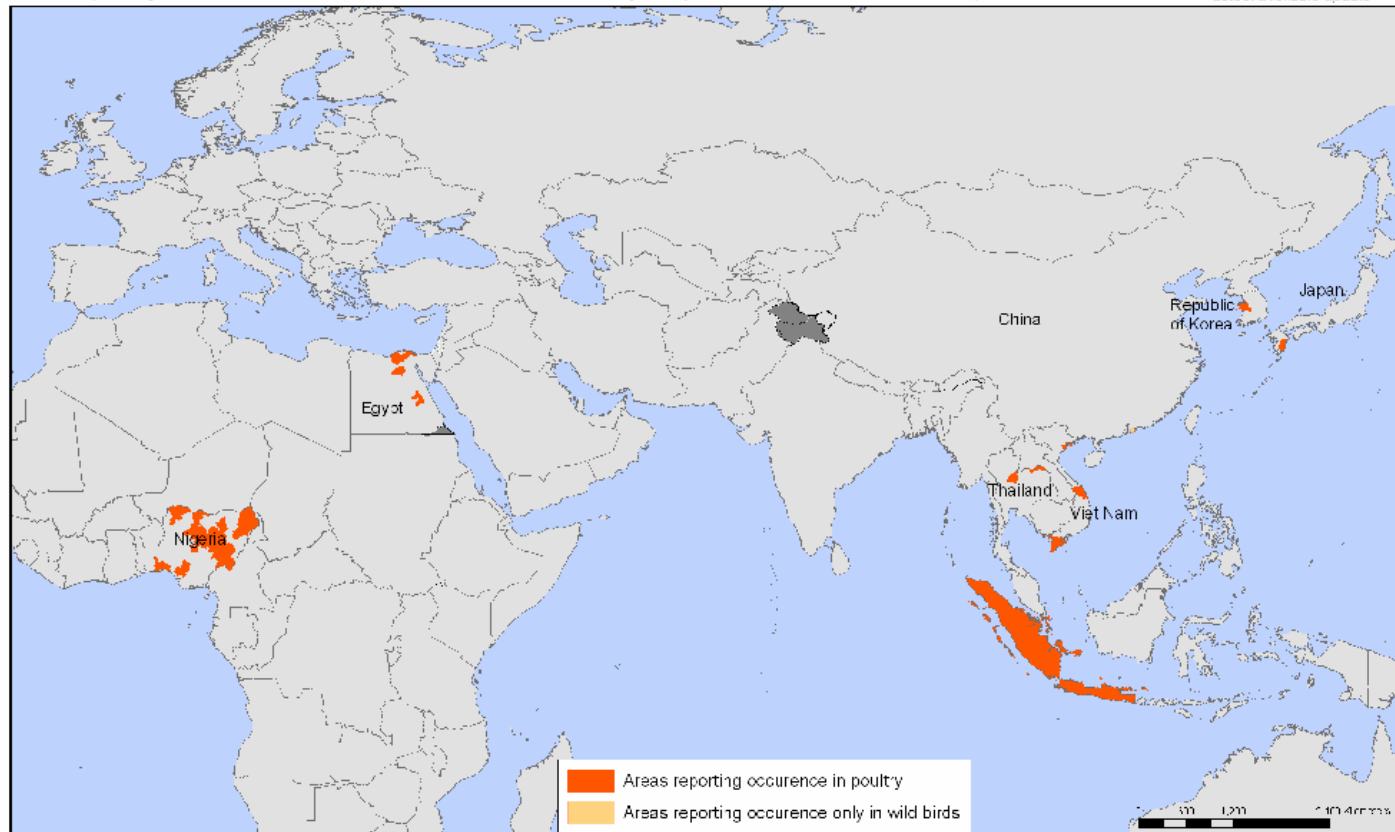
Epidemic and Pandemic Alert and Response



Areas reporting confirmed H5N1 avian influenza in wild or domestic birds, 2007

Areas reporting confirmed occurrence of H5N1 avian influenza in poultry and wild birds since 1 January 2007

Status as of 23 January 2007
Latest available update



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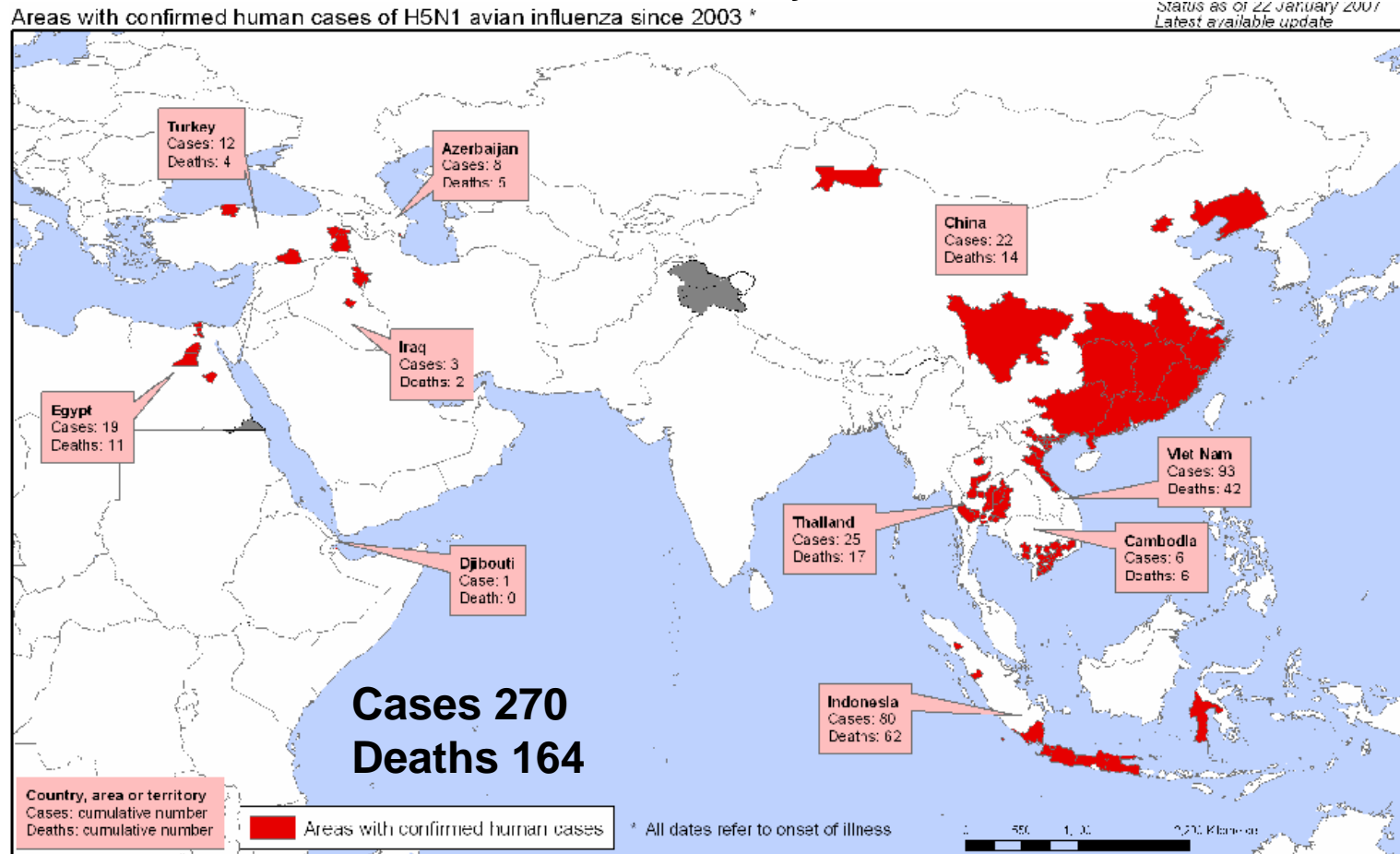
Data Source: World Organisation for Animal Health (OIE) and national governments
Map Production: Public Health Mapping and GIS
Communicable Diseases (CDS) World Health Organization

Epidemic and Pandemic Alert and Response



Laboratory-confirmed human H5N1 cases, since 2003

as of 22 January 2007



World Health Organization

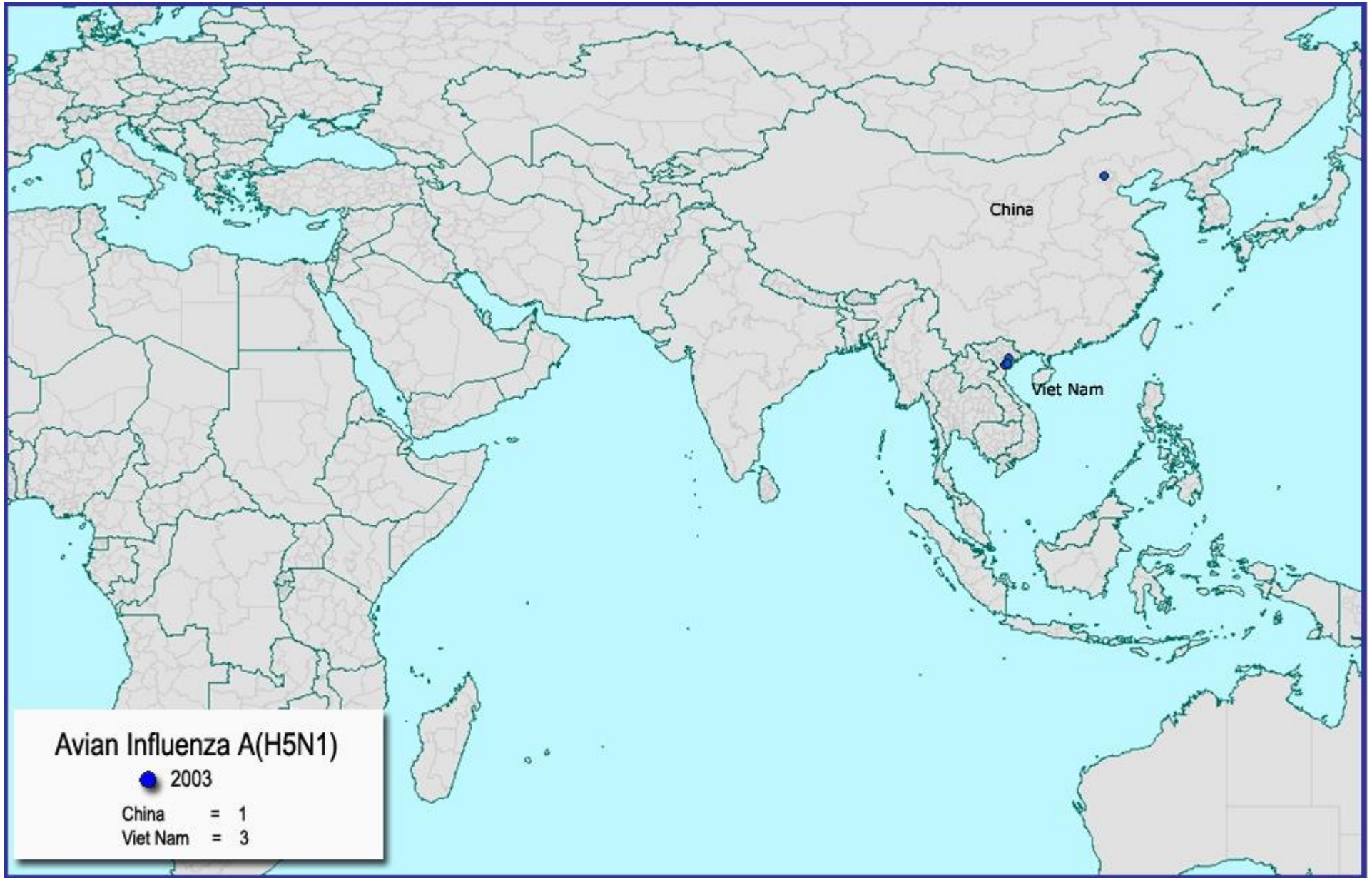
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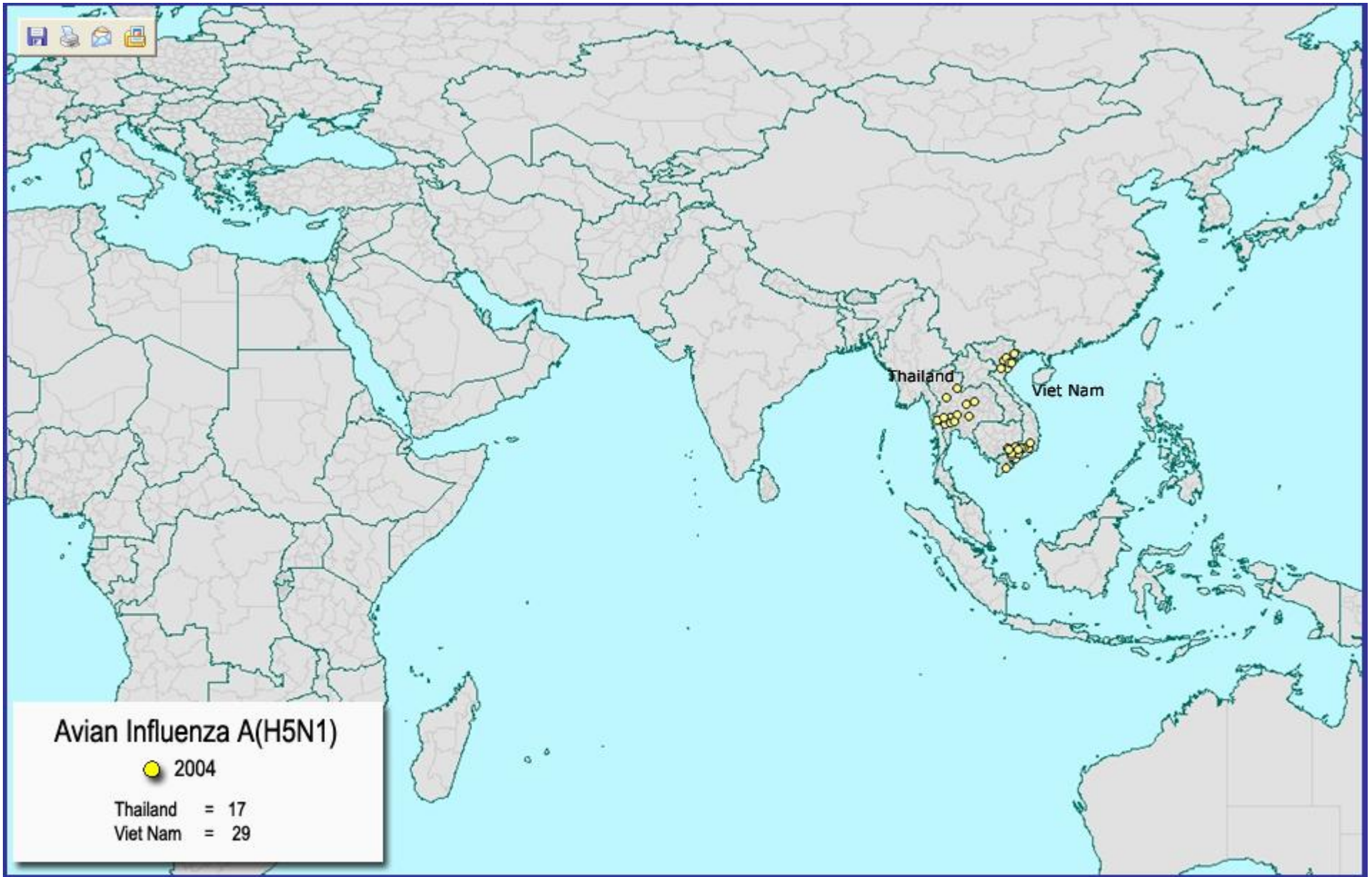
Data Source: WHO / Map Production: Public Health Mapping and GIS Communicable Diseases (CDS), World Health Organization

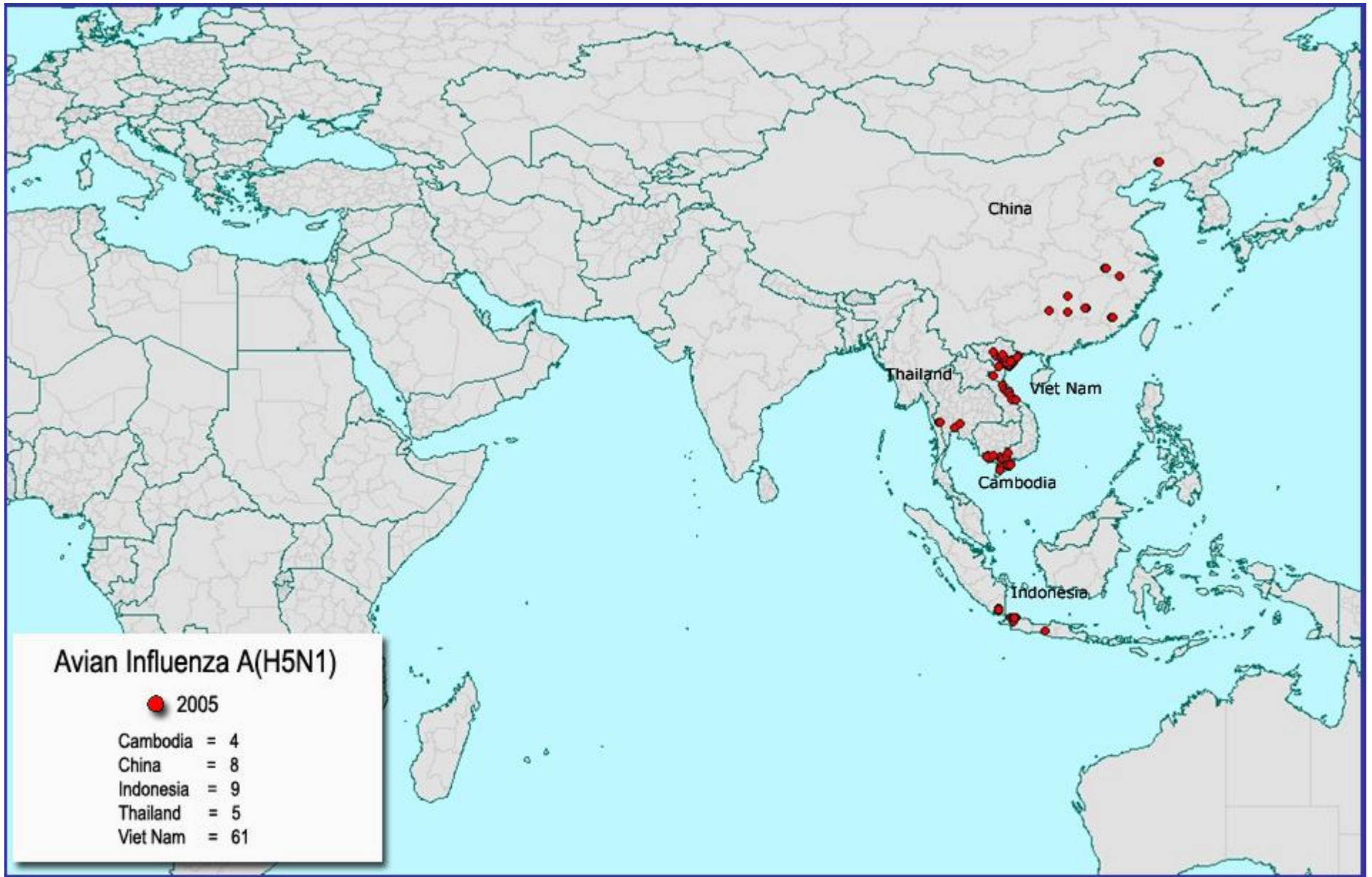
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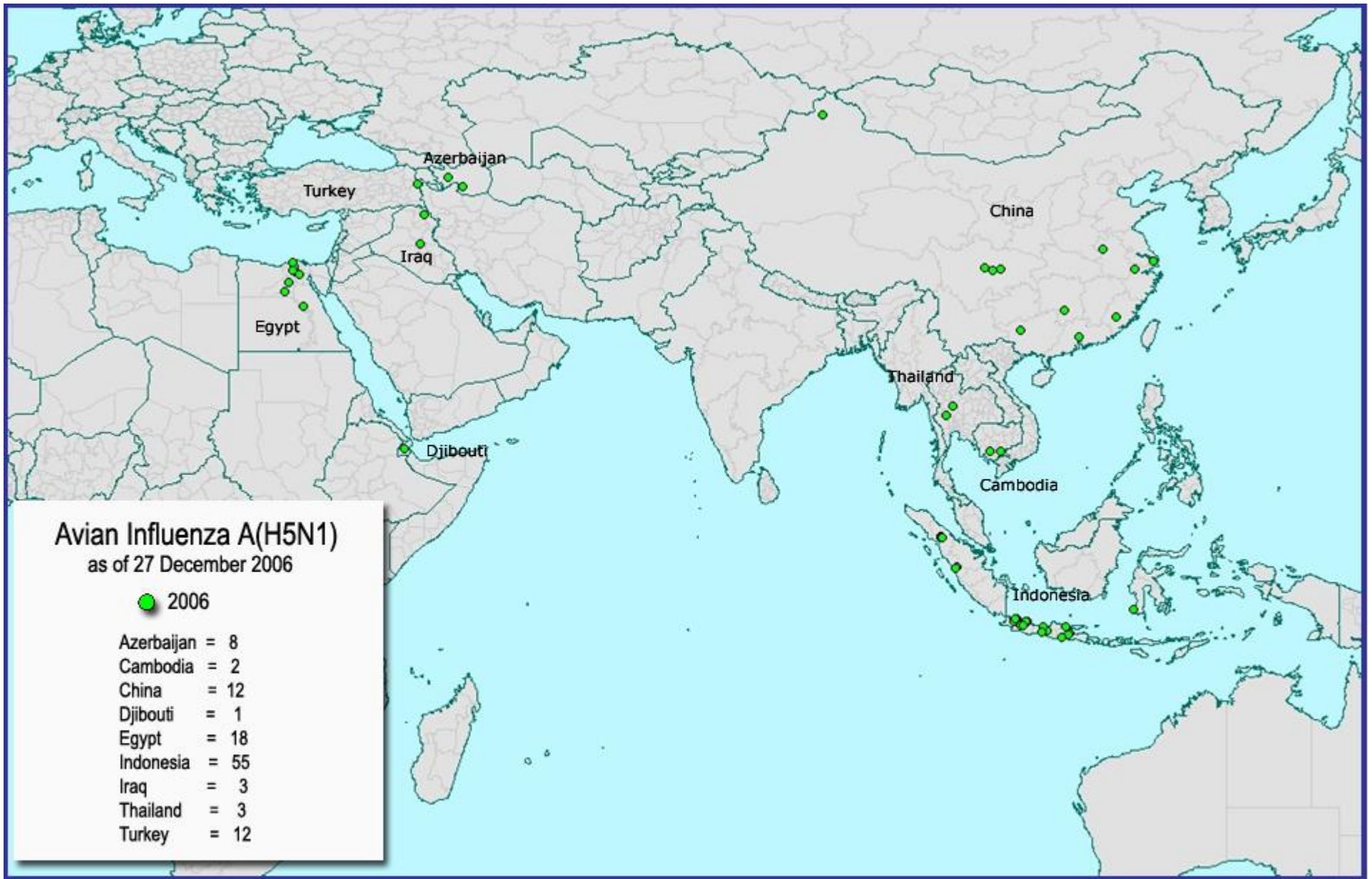
Epidemic and Pandemic Alert and Response

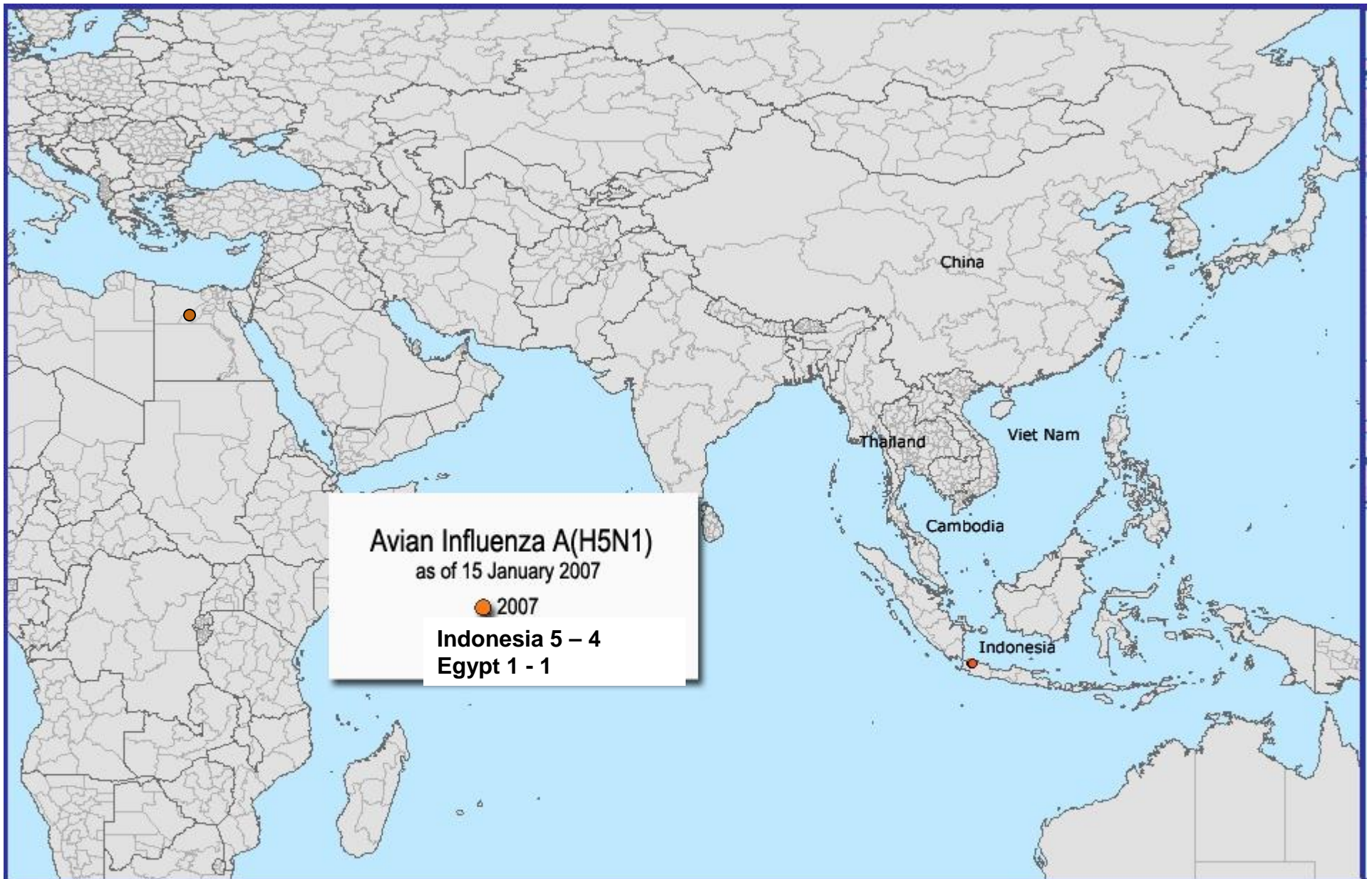










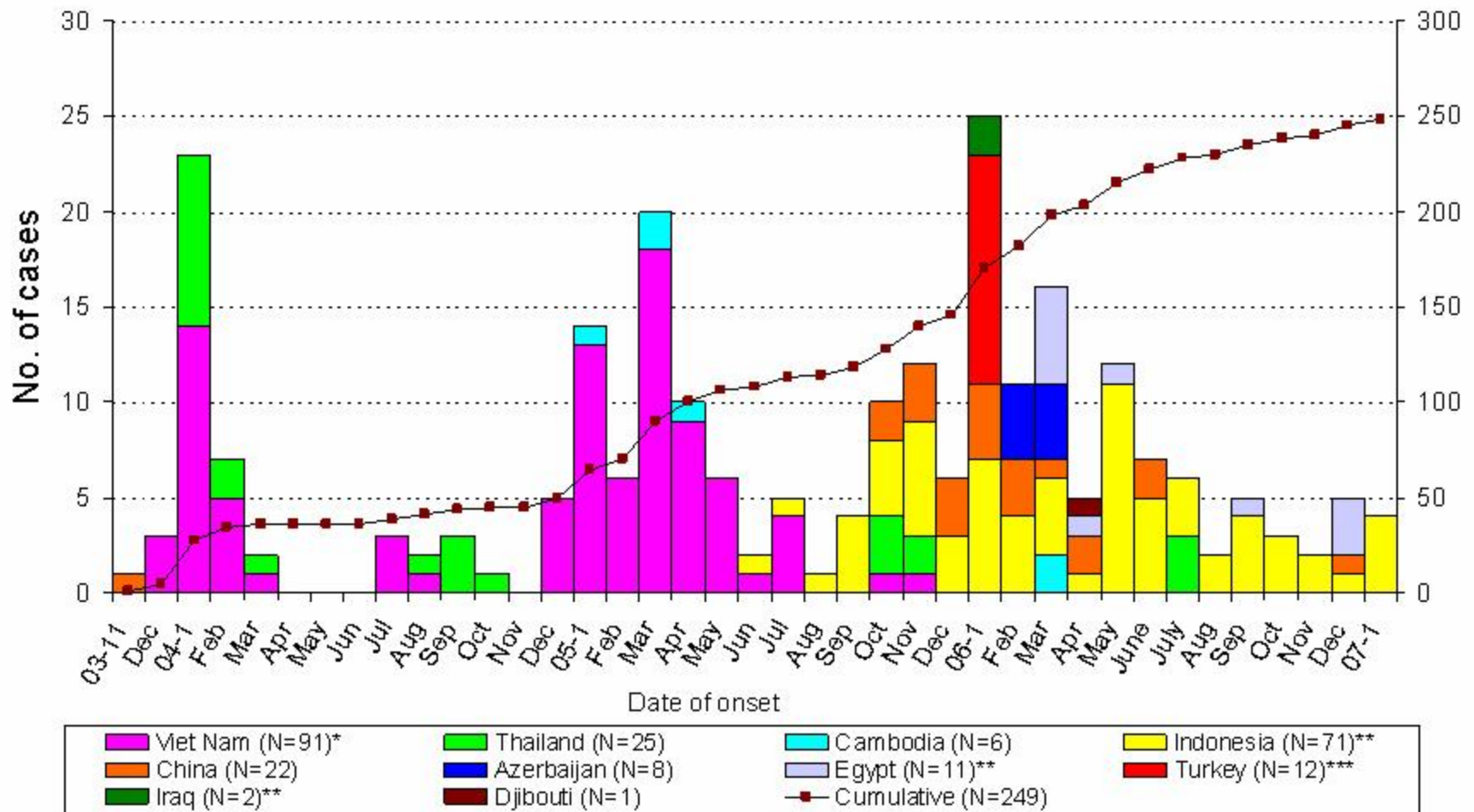


Cumulative number of H5N1 cases as of 20 Nov 2006

Country	2003		2004		2005		2006		2007		Total	
	cases	deaths	cases	deaths	cases	deaths	cases	deaths	cases	deaths	cases	deaths
Azerbaijan	0	0	0	0	0	0	8	5	0	0	8	5
Cambodia	0	0	0	0	4	4	2	2	0	0	6	6
China	1	1	0	0	8	5	13	8	0	0	22	14
Djibouti	0	0	0	0	0	0	1	0	0	0	1	0
Egypt	0	0	0	0	0	0	18	10	1	1	19	11
Indonesia	0	0	0	0	19	12	56	46	6	5	81	63
Iraq	0	0	0	0	0	0	3	2	0	0	3	2
Thailand	0	0	17	12	5	2	3	3	0	0	25	17
Turkey	0	0	0	0	0	0	12	4	0	0	12	4
Viet Nam	3	3	29	20	61	19	0	0	0	0	93	42
Total	4	4	46	32	97	42	116	80	7	6	270	164



Human Avian Influenza A (H5N1) Cases by Onset Date and Country (15 January 2007)



As of 15 January 2007, total of 267 cases were reported officially to WHO.

* The 2 asymptomatic cases in Viet Nam were excluded.

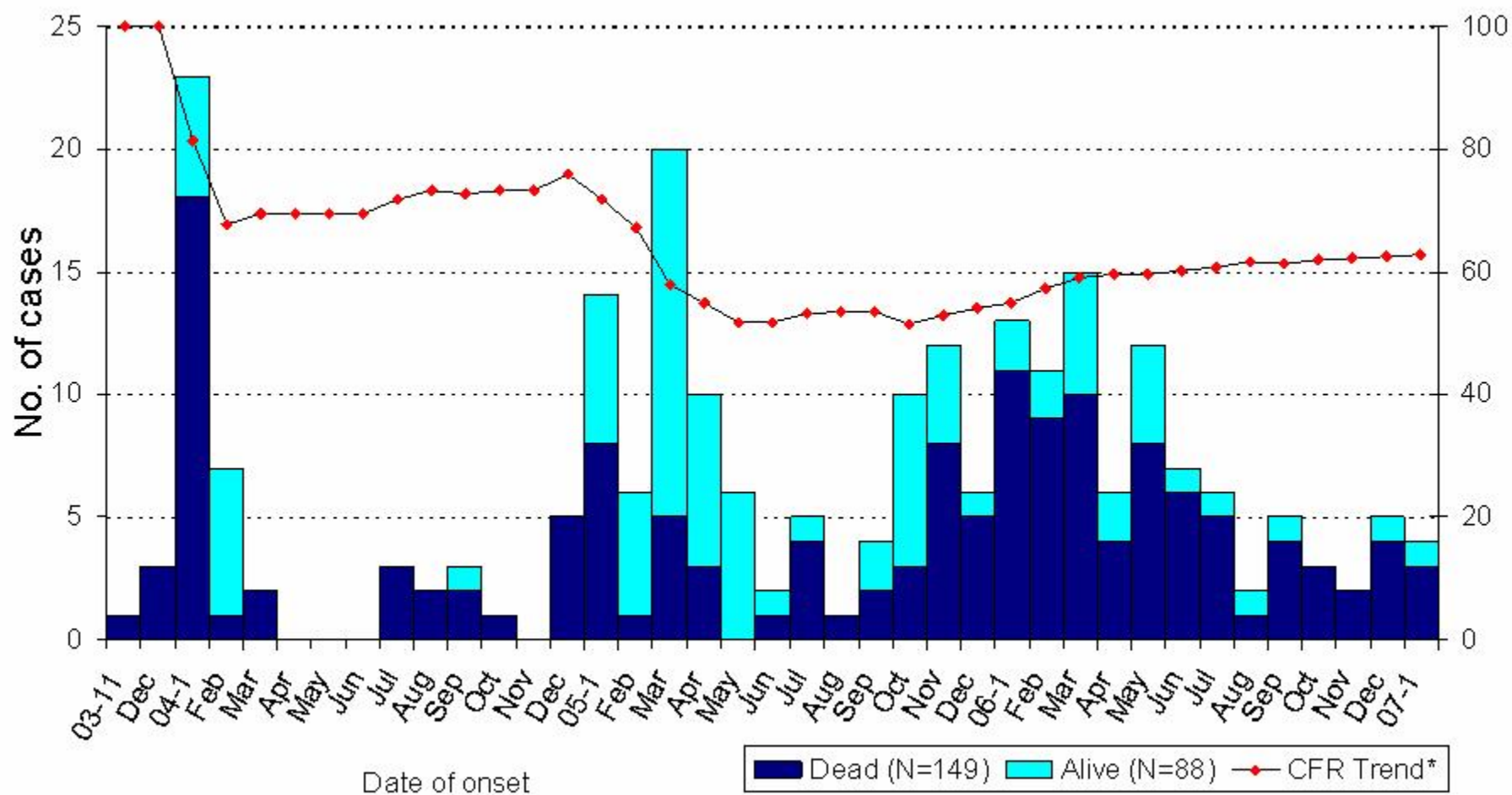
** The 7 cases in Egypt, 8 cases in Indonesia and 1 case in Iraq without reported date of onset were excluded.

*** Date of onset for Turkey are based on reporting date.



Human Avian Influenza A (H5N1) Cases by Onset Date and Outcome

(15 January 2007)

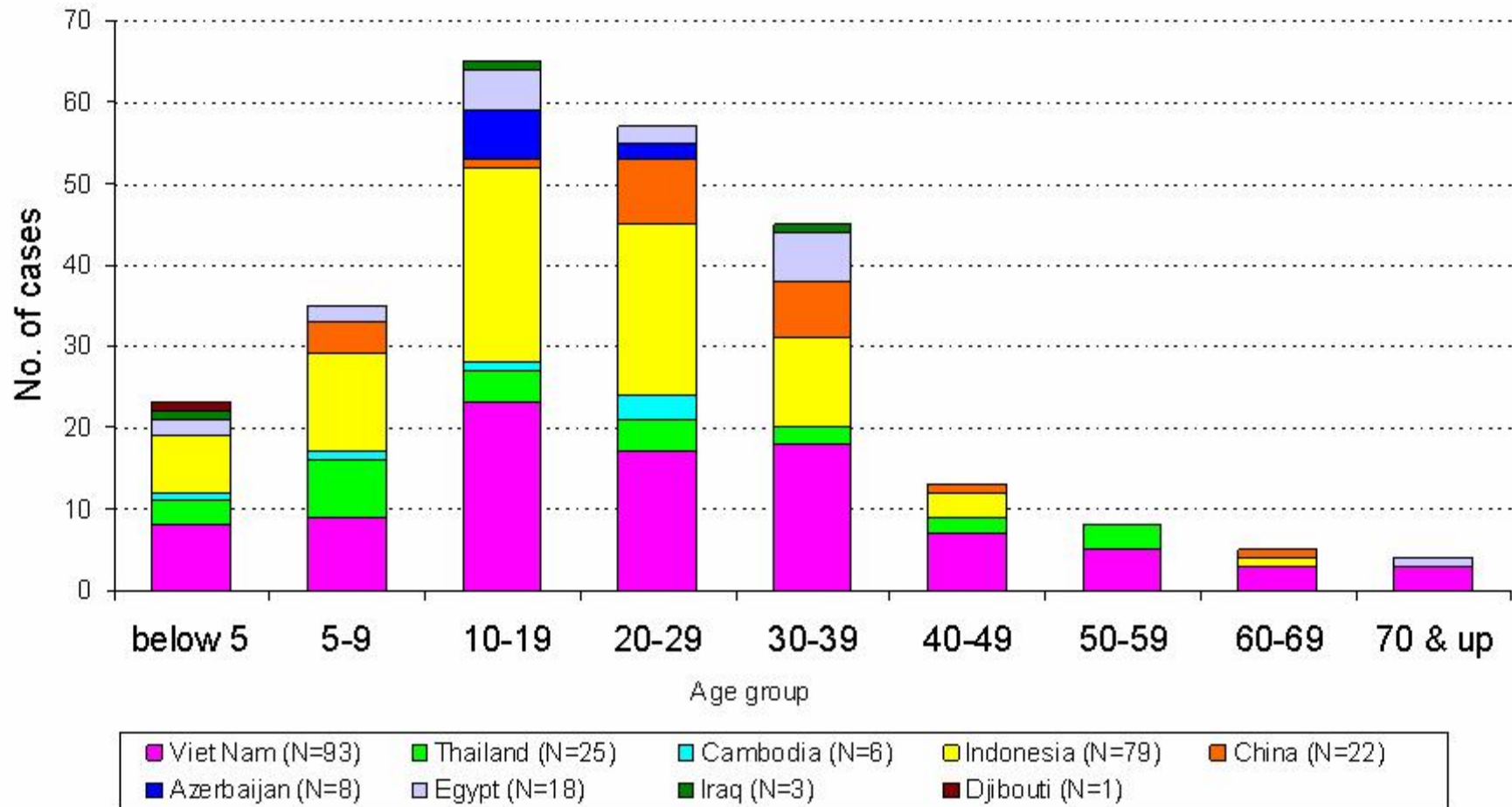


As of 15 January 2007, total of 267 cases were reported officially to WHO.
 2 asymptomatic cases in Viet Nam were excluded.
 7 cases in Egypt, 8 cases in Indonesia and 1 case in Iraq were excluded.
 12 cases in Turkey were excluded.



* CFR Trend: computed based on cumulative dead & total

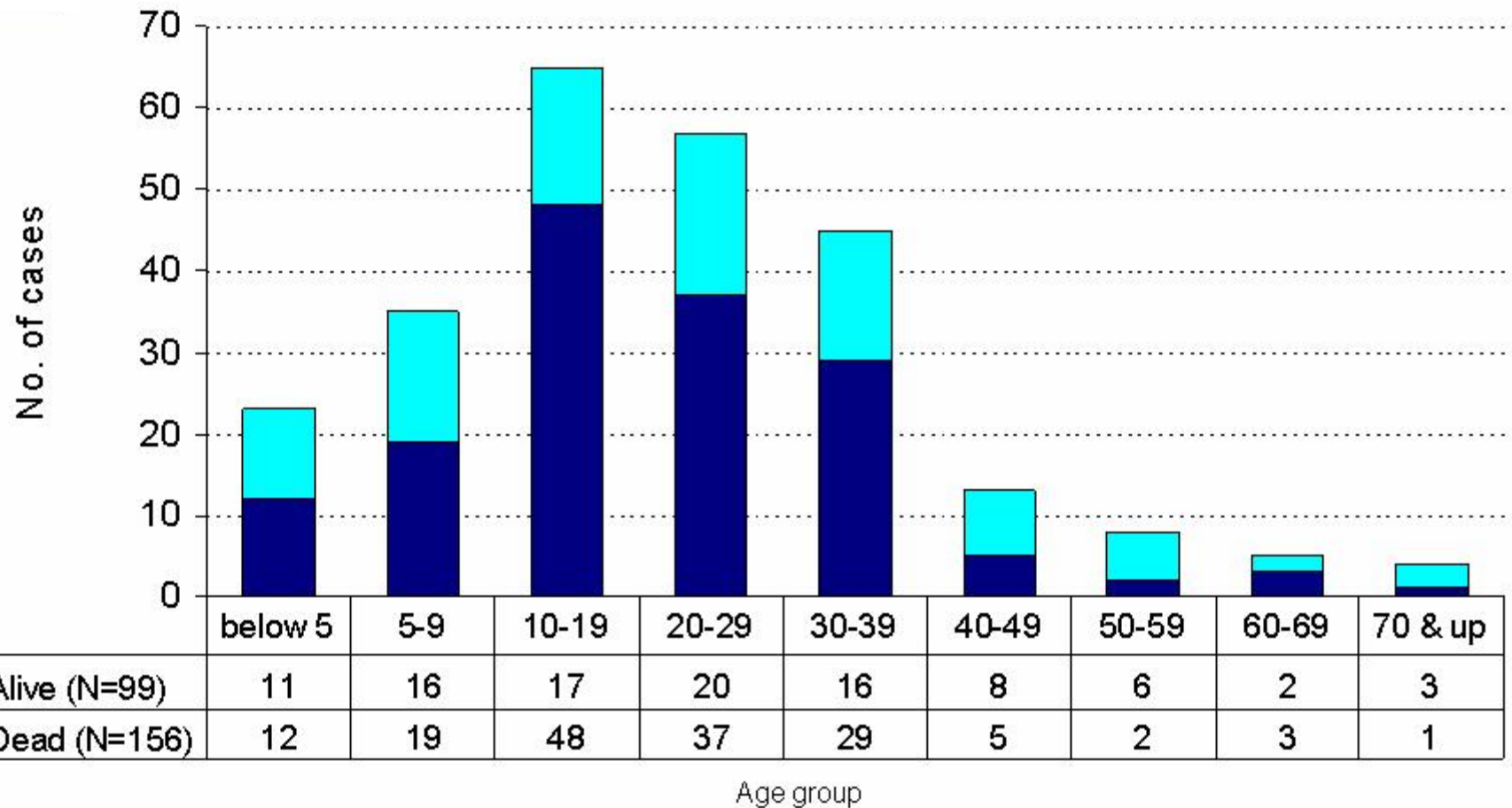
Human Avian Influenza A (H5N1) Cases by Age Group and Country (15 January 2007)



As of 15 January, total of 267 cases were reported officially to WHO.
12 cases in Turkey were excluded.



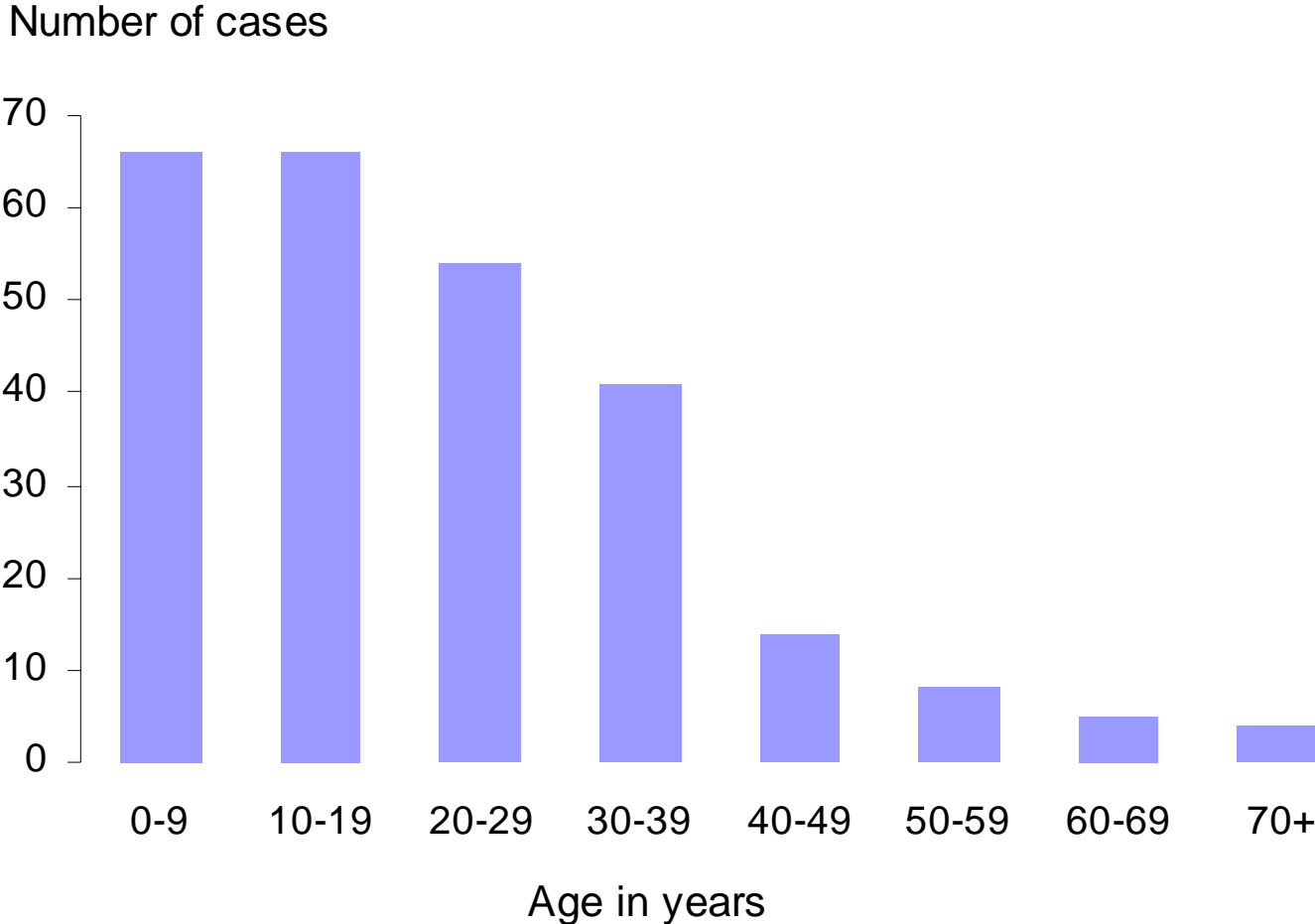
Human Avian Influenza A (H5N1) Cases by Age Group and Outcome (15 January 2007)



As of 15 January 2007, total of 267 cases were reported officially to WHO.
The 12 cases in Turkey were excluded.



Confirmed H5N1 cases by age (n=258)



Characteristics of confirmed H5N1 cases

- M:F = 1:1
- Case fatality 60.5%
 - 2004: 74% (34/46)
 - 2005: 42% (44/104)
 - 2006: 69% (80/116)
 - 2007: 86% (7/6)
- Median duration (2006)
 - Onset - hospitalisation 4 days
 - Onset - death 9 days

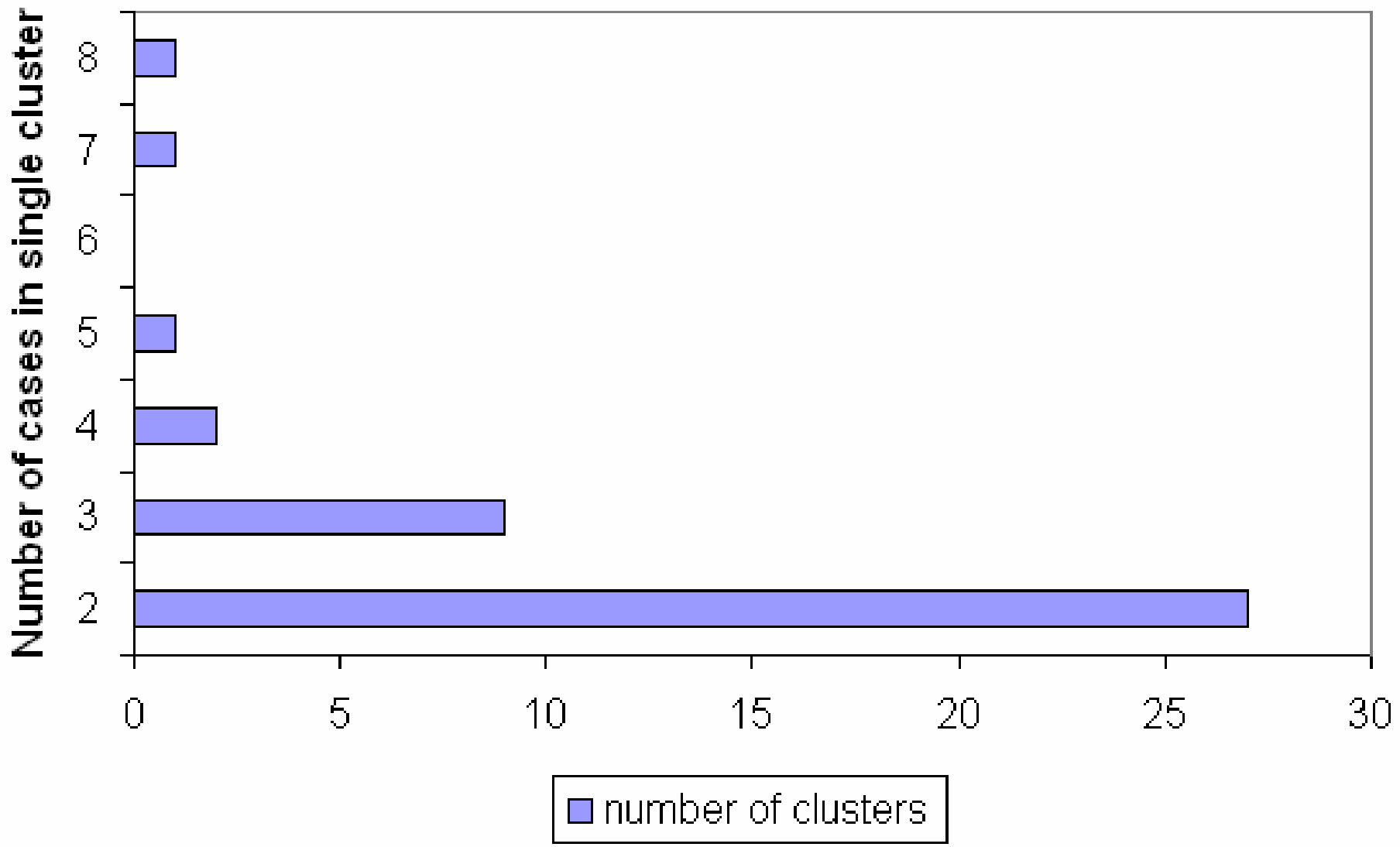
Exposures

- Exposure of cases to dead/sick poultry and/or contaminated environment usually present
- Few cases without any obvious exposures
- Clusters
 - 84/270 (31%) of confirmed cases occurred in clusters

Clusters

- 41 clusters identified since late 2003
- The last two clusters Egypt 2006, INO 2007
- 9/10 affected countries with at least one cluster
- 109 cases in clusters
 - 84 laboratory-confirmed (31% of all WHO-confirmed cases)
 - 25 probable

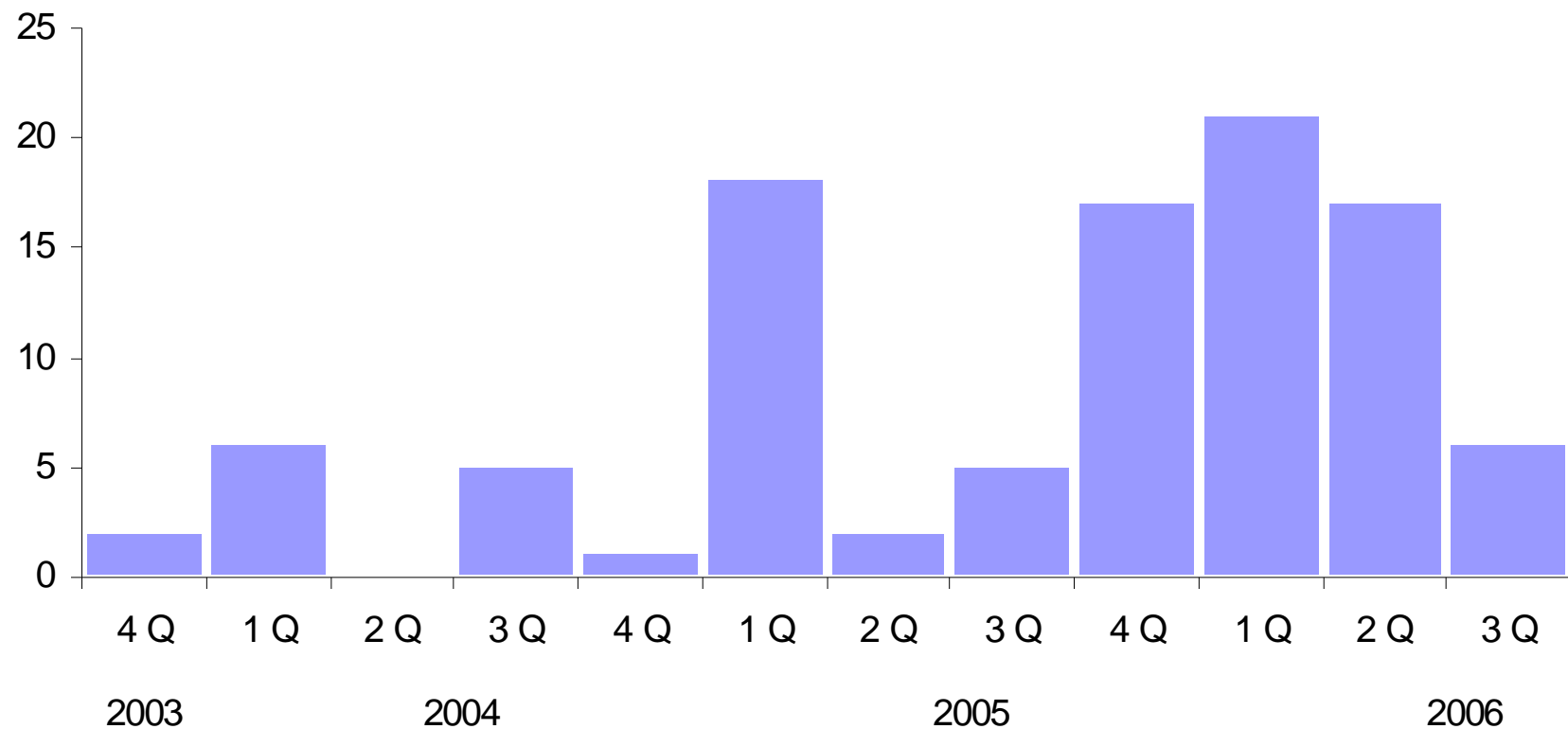
Cluster size n=41



Cases in clusters

n=104 (2006)

Number of cases in clusters



Pandemic alert phase

<u>Interpandemic phase</u> "Animal influenza outbreaks"	Low risk for humans	1
	High risk for humans	2
<u>Pandemic Alert</u> "New influenza subtype in humans"	No or only inefficient h2h transmission	3
	Evidence for increased h2h transmission	4
	Significant increase in h2h transmission	5
<u>Pandemic</u>		6

WHO Strategic Action Plan and present situation

1. Reduce human exposure to H5N1 virus
2. Strengthen the early warning system
3. Intensify rapid containment operations
4. Build capacity to cope with a pandemic
5. Coordinate global scientific research and development

The whole strategy remain unchanged

Reduce human exposure to H5N1 virus

- Wet Market projects
- Enhance collaboration MOH-MOA
- Collaboration with FAO
- Close collaboration UNICEF FAO risk communication

Strengthen the early warning system and investigation capacities

- EWAR/surveillance at country level for early detection of clusters, unexplained deaths from ARI and SARI of Unknown origins
- Strengthening laboratory capacities to accelerate specimen collection and cases/deaths confirmation
- Strengthening lab networking
- RRT training ongoing, India training
- Assessment of RRT in the next months

Intensify rapid containment operations

- Regional stockpiling (BKK)
- RRC training activities (Jakarta, Cambodia)
- RRC assessment tool (HQ/SEARO/Thailand)
- Clinical management production of guidelines and implementation of training
- TTX

Build capacity to cope with a pandemic

- TTX at central and peripheral level
- TTX at regional level (MBDS)
- Pandemic risk communication workshop

Coordinate global scientific research and development

- Vaccine production, sharing virus among member states
- Monitoring drug resistance

Long term activities

- Reviews of IHR core capacities
- Acceleration of IHR
- Development of FETP at country level



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