The Impact of Pandemic Influenza on Public Health

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Part Four of Six

H5N1 Human Outbreaks
Avian Influenza A(H5N1), 1997

- Avian Influenza A(H5N1) caused 18 cases of influenza with six deaths in the Hong Kong area.
- Experts are concerned that the virus may acquire a mutation encouraging human-to-human transmission.
The H5N1 Influenza Pandemic Threat

- Avian infection in nine countries
- 34 human cases and 23 deaths (68%)
- Culled >100 m chickens

- Avian infection in Hong Kong
- 18 human cases and six deaths (33%)
- Culled poultry

- Ongoing avian H5N1 infections

- Avian infection in four countries
- Seven human cases and six deaths (86%)
- Person-to-person?
Affected Countries with Confirmed H5N1 Human Cases

- Turkey: Cases: 12, Deaths: 4
- Azerbaijan: Cases: 7, Deaths: 5
- Egypt: Cases: 4, Deaths: 2
- Iraq: Cases: 2, Deaths: 2
- China: Cases: 8, Deaths: 6
- Cambodia: Cases: 1, Deaths: 1
- Indonesia: Cases: 13, Deaths: 12

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 be full agreement.

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

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Cumulative Number of Confirmed H5N1 Human Cases

Data from December 26th, 2003, to April 4th, 2006

Source: WHO
Cumulative Number of Confirmed H5N1 Human Cases

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Survived, 83, 43%

Deaths, 108, 57%

Source: WHO
Avian and Human H5N1 Identified in No. of Countries

Data from December 26th, 2003, to April 4th, 2006

<table>
<thead>
<tr>
<th>Countries</th>
<th>Cases in Birds</th>
<th>Cases in Humans</th>
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<tbody>
<tr>
<td>2003</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>2004</td>
<td>11</td>
<td>2</td>
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<tr>
<td>2005</td>
<td>18</td>
<td>5</td>
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<tr>
<td>2006</td>
<td>37</td>
<td>7</td>
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</tbody>
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Source: WHO
Nations with Confirmed H5N1 Avian Influenza (April, 2006)

Source: U.S. Department of Health and Human Services