MULTISECTORIAL APPROACH TO INFLUENZA PANDEMIC PLANNING IN MEXICO

MAY, 2008
MEXICO

BACKGROUND

• Federal Republic
• 1,984,375 km²
• 107,449,525 inhabitants
• 32 States
• Capital: Mexico City
PANDEMIC PLANNING

PLANNING SCENARIO

• Pandemic Duration: 6 – 8 weeks (two or three waves)

• Attack Rates: General Population 30 – 35%
  School Children 40%

• Demand for Health Care: 50% of ill

• Percentage of Population in High Risk Groups: 17%

• Absenteism at Work: 40%
PANDEMIC PLANNING

ESTIMATED IMPACT - HEALTH

• Demand for outpatient care: 14 to 19 million
• Demand for hospital care: 250,000
• Expected deaths: 54,000
• Hospital bed capacity: 900 % at peak
• ICU bed capacity: 1,220 % at peak
• Respirator capacity: 269% at peak
PANDEMIC PLANNING

ESTIMATED IMPACT - ECONOMY

- Lost workdays: 205 million
- Economic impact due to lost workdays: 6 billion USD
- Economic impact due to altered consumption patterns: 15 billion USD (8.1% GDP)
- All sectors of society affected
THE PANDEMIC PLANNING PROCESS

• FRAMEWORK: National Committee for Health Security

• Process began in 2003

• First version of the National Pandemic Preparedness Plan: 2005

• First national full scale pandemic exercise: 2006

• Second version including lessons learned from the exercise: 2007
• General guidelines
• Operational plans: State and local Preparedness Plans
• Current version oriented to health response

www.cenavece.gob.mx/emergencias/
PANDEMIC INCIDENT SCALE - MEXICO

<table>
<thead>
<tr>
<th>Fases</th>
<th>PREPANDEMIA</th>
<th>ALERTA PANDEMICA</th>
<th>PANDEMIA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>No hay nuevos subtipos de virus de influenza en seres humanos</td>
<td>Nuevo subtipos de virus en animales con riesgo considerable de enfermedad humana</td>
<td>Casos de enfermedad humana con nuevo subtipo de virus sin transmisión de humano a humano</td>
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<td></td>
<td>4</td>
<td>5</td>
<td>6</td>
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<tr>
<td></td>
<td>Pequeños brotes de enfermedad</td>
<td>Transmisión limitada de persona a persona</td>
<td>Transmisión sostenida de la enfermedad</td>
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OMS

MÉXICO

Actividades de preparación a Nivel Nacional

- Casos de Influenza Pandémica en el mundo excepto México
- Casos de Influenza Pandémica confirmados en México
STRATEGIC LINES OF ACTION

Risk communications and health promotion

Coordination

Epidemiological Surveillance and Laboratory

Health Care

Strategic Stockpile

Research and Development
MULTISECTORIAL PREPAREDNESS

RESPONSIBILITY OF ALL GOVERNMENTAL, PRIVATE AND CIVIL SOCIETY INSTITUTIONS TO:

- Ensure continuity of operations to...
- ...ensure the achievement of its functions and activities

Contingency Plans

Federal Government

Private Sector

International

Health Sector

States and Municipalities
MULTISECTORIAL OPERATIONAL STRATEGY

- Government-wide strategy
- Seven working groups around a single planning scenario
  1) Economical Continuity
  2) Basic Services
  3) Human Health
  4) Animal Health
  5) Borders, Foreign Affairs and Tourism
  6) Education
  7) Safety and Security
GUIDELINES FOR INSTITUTIONAL PREPAREDNESS AGAINST AND INFLUENZA PANDEMIC

OBJECTIVE: Ensure continuity of operations during a pandemic in a scenario of absenteism, disruptions to supply and demand while encouraging social distancing

- Identification of critical processes
- Identification of essential personnel
- Identification of supply/demand chains
- Establishment of emergency working processes
- Risk communications and health promotion for personnel

FOR EACH PANDEMIC PHASE

www.cenavece.salud.gob.mx/emergencias/
FINAL COMMENTS

- Pandemic Influenza has been identified in Mexico as a Public Health Emergency with the potential for becoming a National Security Issue.

- Pandemic planning began five years ago with focus on the public health response.

- In the past twelve months the Federal Government began a process of developing a comprehensive business continuity plan for a pandemic scenario.

- We expect to have a first version of the Multisectorial Operational Strategy by the third quarter of 2008.