

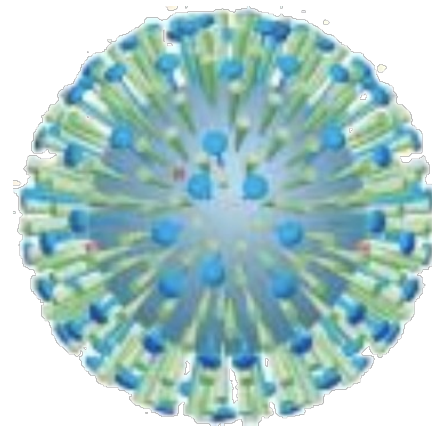


**NATIONAL CENTER FOR EPIDEMIOLOGICAL SURVEILLANCE AND
DISEASE CONTROL**

**GENERAL DIRECTORATE FOR
PUBLIC HEALTH EMERGENCIES**

SALUD

MULTISECTORIAL APPROACH TO INFLUENZA PANDEMIC PLANNING IN MEXICO



MAY, 2008



MEXICO

SALUD

BACKGROUND

- Federal Republic
- 1.984.375 km²
- 107.449.525 inhabitants
- 32 States
- Capital: Mexico City





SALUD

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%
- **Absenteeism at Work:** 40%



SALUD

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



SALUD

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

**PUBLIC
HEALTH
PROBLEM**



**NATIONAL
SECURITY
ISSUE**



SALUD

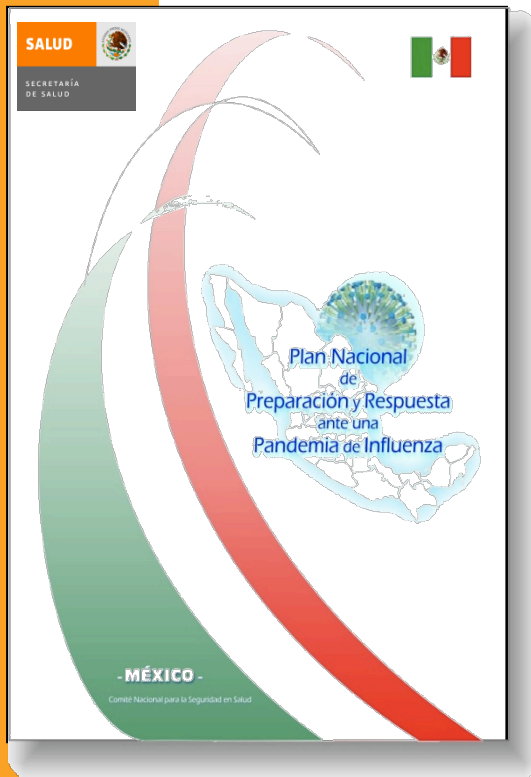
THE PANDEMIC PLANNING PROCESS

- **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**



THE NATIONAL PANDEMIC PREPAREDNESS PLAN

SALUD




- **General guidelines**
- **Operational plans: State and local Preparedness Plans**
- **Current version oriented to health response**


www.cenavece.gob.mx/emergencias/



PANDEMIC INCIDENT SCALE - MEXICO

SALUD

| Fases | PREPANDEMIA | | ALERTA PANDEMICA | | | PANDEMIA |
|---|---|--|--|--|---|--|
| | 1 | 2 | 3 | 4 | 5 | 6 |
|  OMS | No hay nuevos subtipos de virus de influenza en seres humanos | Nuevo subtipos de virus en animales con riesgo considerable de enfermedad humana | Casos de enfermedad humana con nuevo subtipo de virus sin transmisión de humano a humano | Pequeños brotes de enfermedad Transmisión limitada de persona a persona | Brotos mayores de enfermedad Transmisión limitada de persona a persona | Transmisión sostenida de la enfermedad |

| | PREPANDEMIA | ALERTA PANDEMICIA | PANDEMIA | POST- PANDEMIA |
|--|---|-------------------|----------|----------------|
|  MÉXICO | Actividades de preparación a Nivel Nacional | | | |





STRATEGIC LINES OF ACTION

SALUD

**Risk communications
and health promotion**

**Health
Care**

Coordination

**Strategic
Stockpile**

**Epidemiological
Surveillance
and Laboratory**



**Research and
Development**

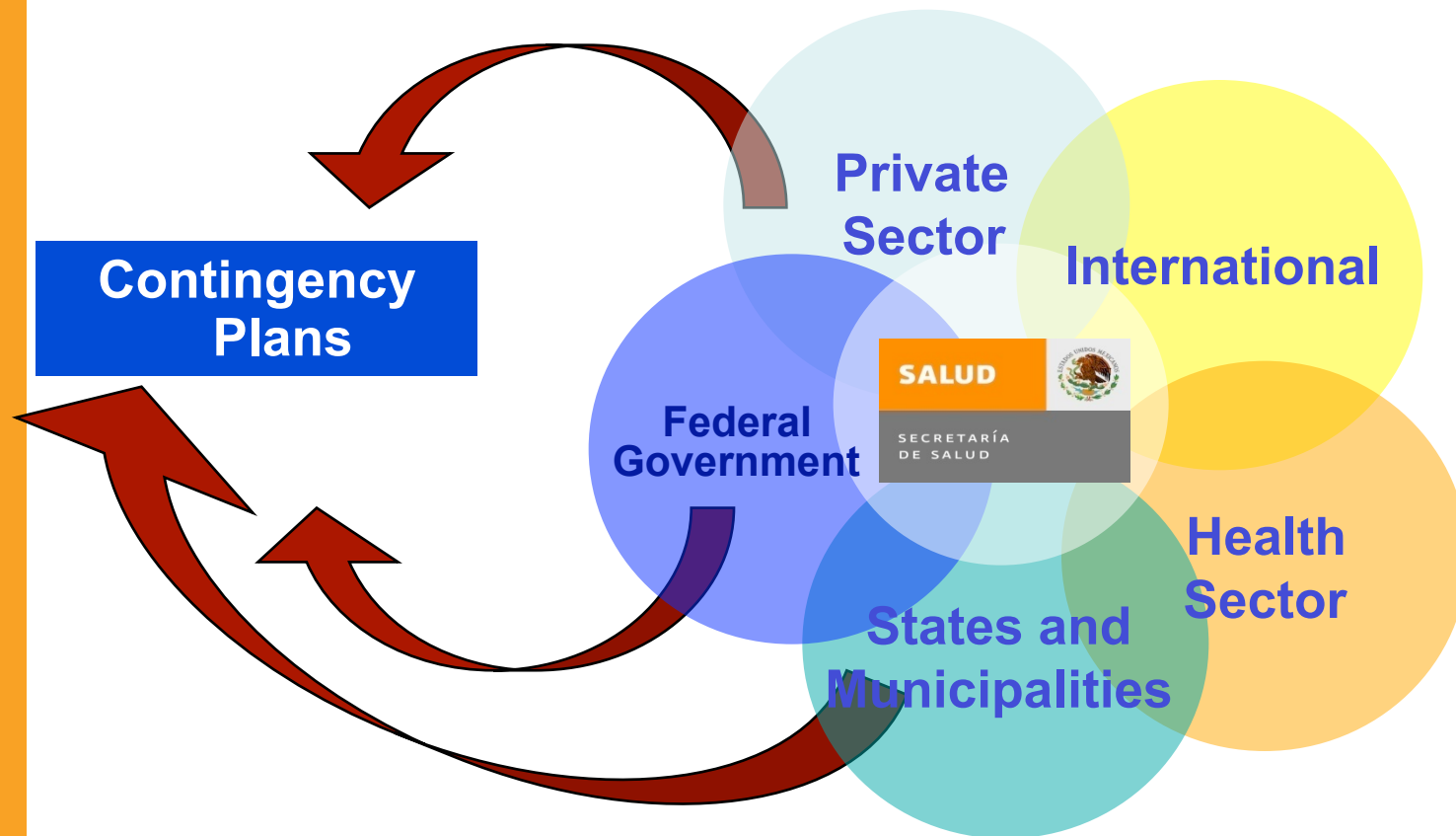


MULTISECTORIAL PREPAREDNESS

SALUD

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

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





SALUD

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

SALUD

OBJECTIVE: Ensure continuity of operations during a pandemic in a scenario of absenteeism, 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

SALUD

- **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**

