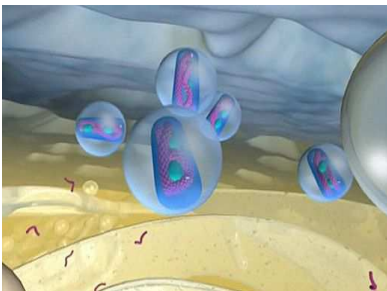

Think Globally, Act Locally: Roche's Commitment to Pandemic Stockpiles

Jim Hall, VP, Roche Canada



Roche – Global Presence

A leading healthcare company



- Currently active in 150 countries on all continents
- Employing over 92, 000 people
- Unique innovation model, focusing on personalized medicine
- One of the best pipelines in the industry
- Pharmaceuticals: market leader in key therapeutic areas such as oncology, transplantation, rheumatology and infectious disease
- Diagnostics: world leader

Tamiflu® (oseltamivir phosphate)

A highly effective antiviral

- Health Canada has approved Tamiflu for treatment and prevention of influenza
- Efficacy
 - 90% efficacy in prevention / 50% reduction secondary complications
- WHO and the US CDC have confirmed that the swine-origin Influenza A / H1N1 strain is susceptible to Tamiflu ^{1,2}
- Convenient oral form of administration, reaching all parts of body
 - important for pandemic influenza, a systemic disease
- Approved for children ≥ 1 year

1. CDC H1N1 Flu | Interim Guidance on Antiviral Recommendations. April 2009.

2. WHO. Use of Antiviral Drugs Against Influenza A(H1N1). May 2009.

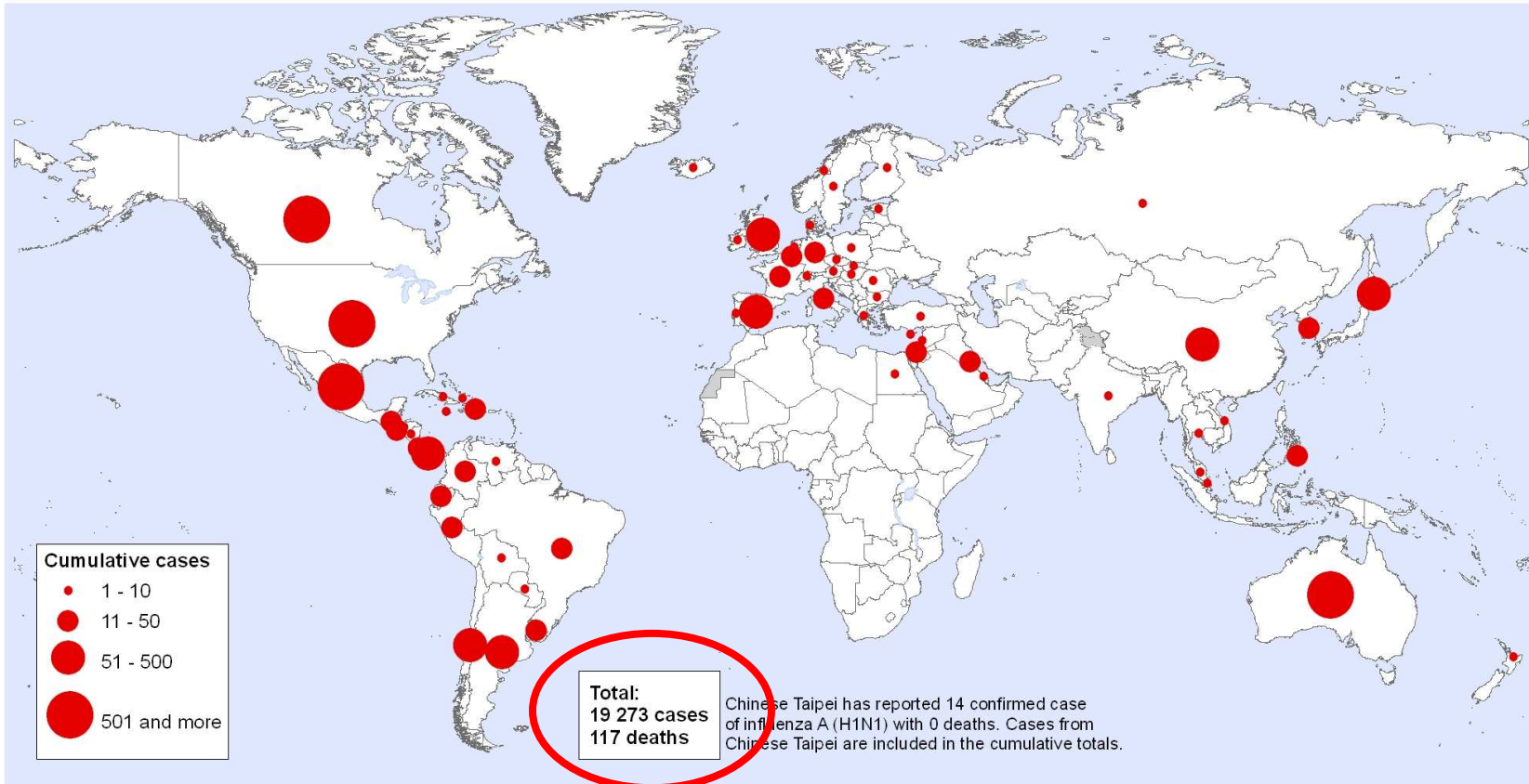


Current Swine-Origin Influenza A / H1N1 Outbreak

Increasing global demand for antivirals

New Influenza A (H1N1),
Number of laboratory confirmed cases as reported to WHO

Status as of 03 June 2009
06:00 GMT



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.

Map produced: 03 June 2009 07:28 GMT

Data Source: World Health Organization
Map Production: Public Health Information
and Geographic Information Systems (GIS)
World Health Organization



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Roche's Contribution to Pandemic Preparedness

- Roche Canada – facilitating antiviral **stockpiling** for governments
 - 6 – 9 month production time
- **Donated** almost 12 M blister packs to the WHO for developing countries
- Governments at all levels are a **priority**
 - Reaching out across the country to determine their needs and fill their Tamiflu orders
 - Federal and provincial governments have stockpiled primarily treatment

Role of Municipalities: ***Ensuring continuity of critical operations in a pandemic***

- Ensure continuity of key city services and critical operations
- Provide a safe and healthy work environment for employees
- Proactively address HR & Labour Relations issues arising from an influenza pandemic
- To effectively prepare for a pandemic, the city's divisions, agencies, boards and commissions must start to stockpile supplies, including antivirals

Source: City of Toronto Staff Report, January 2008.

Roche your Partner for Success:

Providing solutions to meet government pandemic stockpile needs

- **Antivirals are the bridge before the vaccine becomes available**
- **Cost**
 - Significant discount for government
- **Shelf life & expiration**
 - New longer shelf life: **7 years** (government only)
 - Reprocessing program
- **Facilitate distribution of stockpiles**



We Innovate Healthcare

Booth #210