

## Response to Pandemic H1N1 – Singapore's Experience

Ministry of Health Singapore

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#### **Scope**

- •Current Situation
- Strategy & Approach
- School Measures
- Public Communication
- Recommendations for vaccinations

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#### **Current Situation**

- ARI / ILI attendances
- Influenza biosurveillance



#### Weekly Polyclinic Attendances of ARI, Year 2007 to 2009



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## Snapshot as of 26 Oct 2009

Estimated >280,000 cases

1393 cases admitted due to clinical indications since mid-Jul

≻98 severely ill cases

≻18 deaths



## **Strategy & Approach**

- Containment Phase
- Mitigation Phase
- Lessons Learnt

#### **Objectives**

- Maintain essential services in Singapore so as to limit social and economic disruptions
- Reduce morbidity and mortality through treatment of influenza cases
- Slow and limit the spread of influenza to reduce the surge on healthcare system
  - Isolation and Quarantine
  - Community-wide measures

#### **Operation during Containment and Mitigation Phase**



\* Fever (>38 degrees), cough and/or sore throat, runny nose, headaches and/or body aches

#### Lessons Learnt

- Objective of containment measures was to delay community spread to enable the healthcare system to be fully prepared to manage large numbers of cases
- Containment was gradually replaced by mitigation as community cases increased in week of 23 Jun
- Important to prepare the public that community spread cannot be prevented indefinitely. Move to mitigation can then be accepted by the public

#### **Border Control Measures**







# Containment measures in schools

Reopening of schools

Triggers for Class Closure

## **Schools Reopening**

- Schools were reopened on 29<sup>th</sup> June as scheduled after a 4-week vacation.
- 7 days Leave of Absence (LOA) were given to students and teachers whom had just returned from affected countries after 22<sup>nd</sup> June.
- Close monitoring twice daily temperature taking

## **School Triggers for Class Closures**

#### Pre-Schools

 Class closure (7days) when 2 known confirmed cases or 3 cases with 7-day MC in a class within a 3-day period

#### <u>Schools</u>

Class closure (7 days) when 3 known confirmed cases or 5 cases of 7-day MC in a class within a 5-day period

Measures ceased on week of 24 Aug 09



#### **Public Communication**

- Good Hygiene & Social Responsibility
- Pandemic Preparedness Clinics

#### **Good Hygiene & Social Responsibility**



Never spit in public places.



For more information on how you can stay fulfree, visit www.hpb.gow.ag or call HealthLine at 1800 223 1313.

WTR P 410-0400

# PREVENT THE FLU FROM SPREADING

#### PRACTISE GOOD PERSONAL HYGIENE

- Wash your hands thoroughly and often with soap and water.
- . Cover your mouth and nose with a tissue when coughing or sneezing.

#### **BE RESPONSIBLE**

- Wear a mask when you have the flu or common cold.
- Never spit in public places.
- When sharing food at mealtimes, use a serving spoon.

#### LEAD A HEALTHY LIFESTYLE

- Eat a balanced diet with plenty of fruit and vegetables.
- Do 30 minutes of physical activity at least 5 days a week.
- Keep stress levels low.
- Bo not smoke.





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#### **Good Hygiene & Social Responsibility**



Song WHAT ADDITIONAL PRECAUTIONS SHOULD HOUSEHOLD CONTACTS TAKE?

Washywishyclean



**Observe good personal hygiene.** Clean your hands with soap and water (or use an alcohol-based hand rub) frequently, including after every contact with the infected person.



Use paper towels for drying hands after hand washing or have a dedicated cloth towel for each person in the household.

## **Pandemic Preparedness Clinics (PPCs)**



#### **Designated flu clinics to manage H1N1**

- Decal to be put in front of clinic for public identification
- 450+ GP clinics
- SMS "clinic" to locate PPC
- Public advised to go to PPC or polyclinics during mitigation
  - Can still visit your own family doctor
  - Exception for 3 <u>very high</u> risk categories (dialysis, active cancer treatment, pregnant) – see your specialist

#### Equipped

- Trained at flu pandemic workshop organised by SMA/MOH infection control measures etc
- Equipped with PPE and Tamiflu from national stockpiles



#### **Recommendations for Vaccination**

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- Estimating vaccine need
  - 1 million doses of Influenza (H1N1) vaccine, sufficient to meet the needs of Singaporeans
- Establishing vaccine priority groups
  - Persons in the high-risk group
    - pregnant women; and
    - people with chronic medical conditions\*
    - young children from 6 months to under 5 years of age
  - Healthcare workers
  - Other Essential Service Personnel
- Rolling out our pandemic vaccination

\* Lung disorders, heart diseases, diabetes, kidney failure, neuromuscular disorders, immunosuppressed



## **Thank You**