

INFLUENZA A (H1N1) PANDEMIC CURRENT SITUATION IN MALAYSIA

Disease Control Division
Ministry of Health

7 July 2009

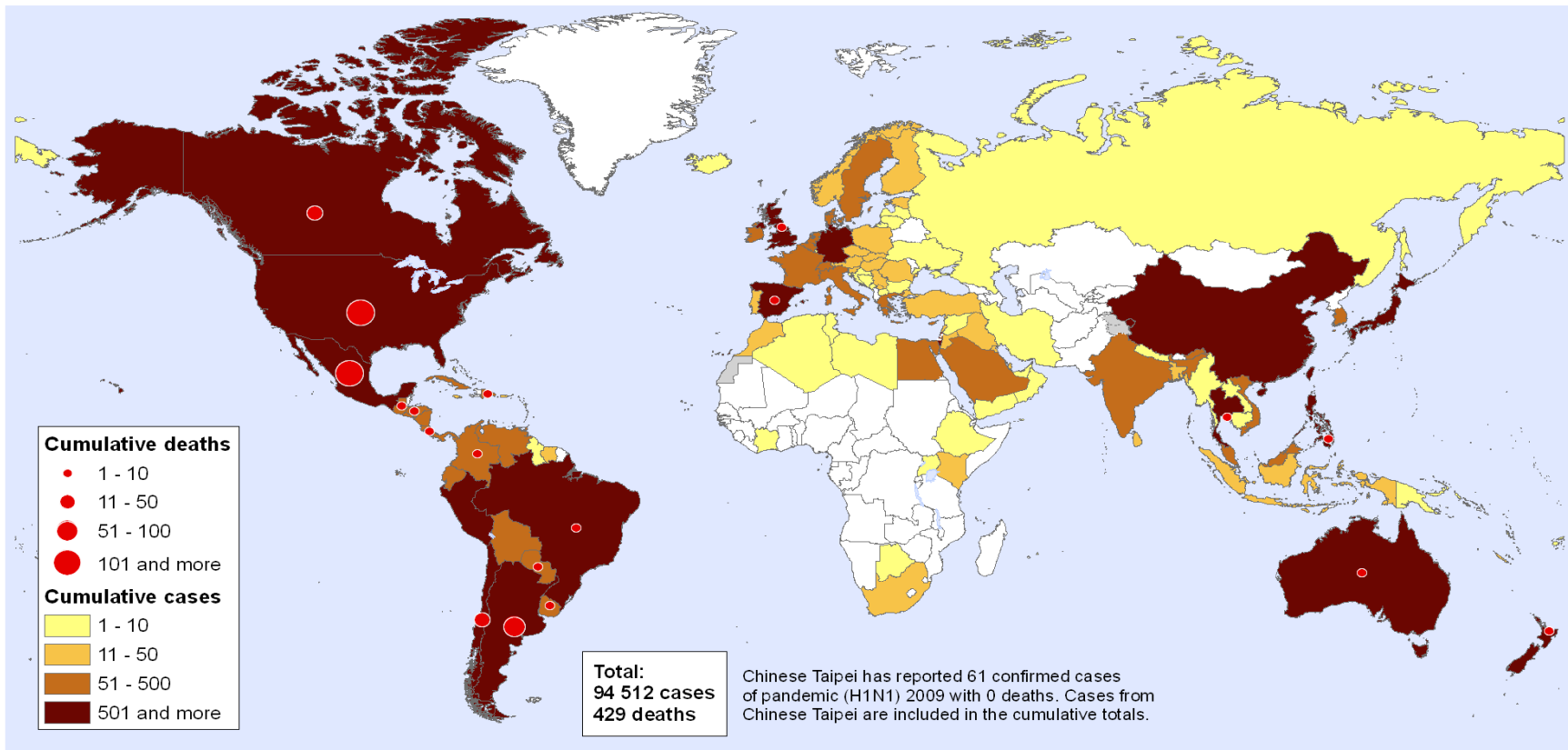


Ministry of Health Malaysia

Global Situation of Influenza A (H1N1) Pandemic – till 6 July 2009

Pandemic (H1N1) 2009,
Number of laboratory confirmed cases as reported to WHO

Status as of 06 July 2009
09:00 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: 06 July 2009 09:00 GMT

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



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Ministry of Health Malaysia

Global Situation

- **Till 7 July 2009 @ 8.00 am;**
 - **134 countries reported confirmed cases**
 - **95,528 confirmed cases**
 - **431 deaths: case fatality rate – 0.45%**
 - **42 countries local transmission**
 - **10 countries with sustained human-to-human transmission**



Global Situation – Case Fatality Rate

Case fatality rate : range – 0.04 – 2.41%

Country	Case fatality Rate	Country	Case fatality Rate
Argentina	2.41%	Guatemala	0.70%
Australia	0.91%	Honduras	0.81%
Brazil	0.13%	Mexico	1.16%
Brunei Darussalam	0.61%	New Zealand	0.28%
Canada	0.31%	Paraguay	0.94
Chile	0.19%	Spain	0.13%
Colombia	1.69%	United Kingdom	0.04%
Costa Rica	1.07%	USA	0.50%
Dominican Republic	1.85%	Overall	0.45%

Case fatality rate (dengue in Malaysia – 0.2%



Countries with Local Transmission

Australia **	Greece	Norway
Argentina **	Honduras	Panama
Austria	Hungary	Philippines **
Belgium	Iceland	Poland
Brunei Darussalam	Indonesia	Romania
Canada **	Ireland	Singapore
Chile **	Italy	Slovakia
China (mainland)	Jamaica	South Korea
Hong Kong	Japan **	Spain **
Denmark	Korea	Switzerland
Dominican Republic	Malaysia	Thailand
Estonia	Mexico **	United Kingdom **
France	Netherlands	United States of America **
Germany	New Zealand	Vietnam

** - Sustained human-to-human transmission



Malaysia's Current Situation

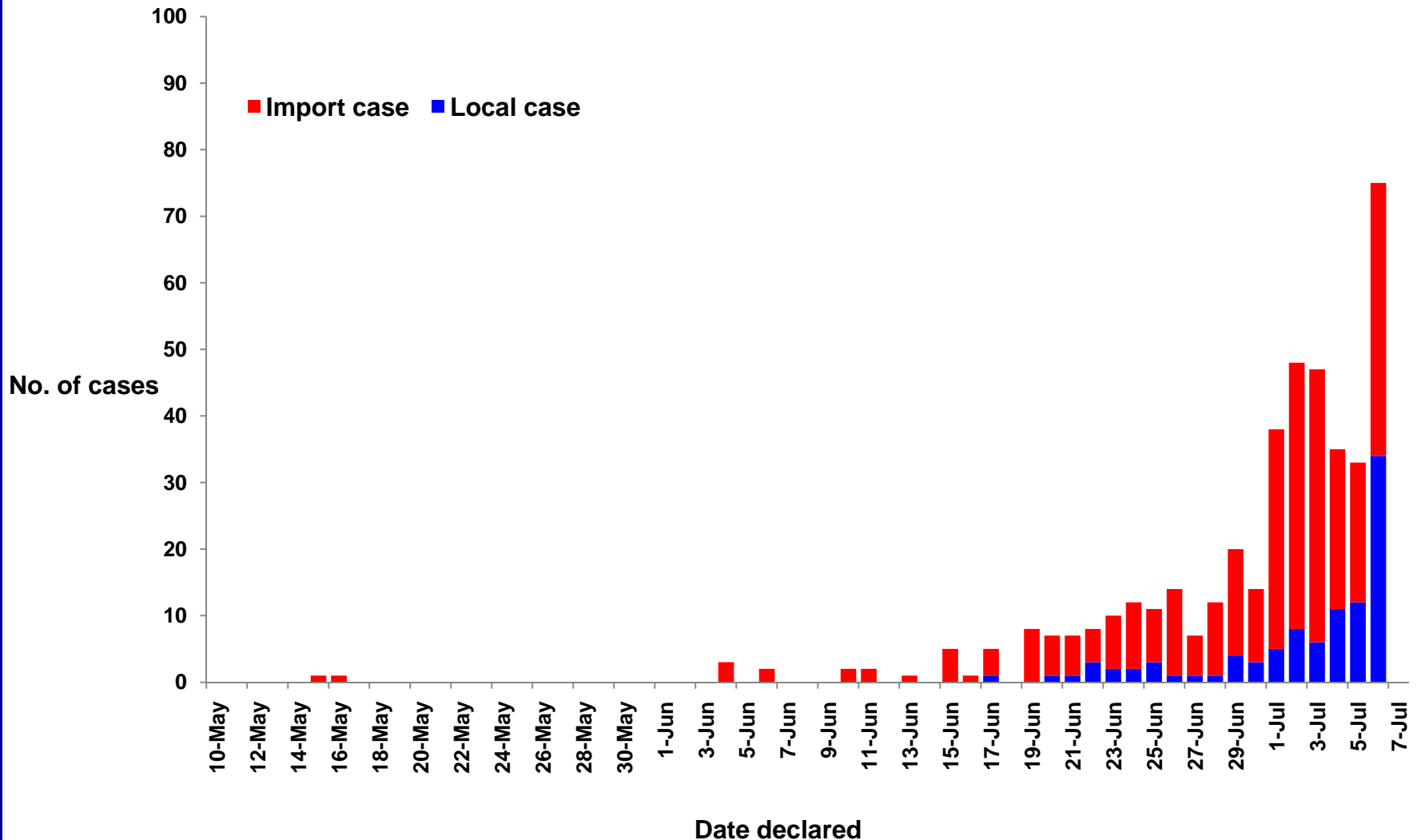
(7 July 2009 @ 9.00 am)

- **First case confirmed on 15 May 2009**
- **Current : 468 confirmed cases of Influenza A H1N1**
 - **355 (75.8%) imported cases (mostly from countries with local transmission)**
 - **113 (24.2%) local transmission**
 - **No death**



Malaysia's Current Situation

Confirmed influenza A(H1N1) cases, Malaysia, May - 6 July 09



Malaysia's Current Situation

(7 July 2009 @ 9.00 am)

Schools involved

- SRKJ(C) Jln. Davidson – school closed (completed)
- Seri Chempaka Int. Schools – school closed (completed)
- SRK Assunta 1 & 2 – school closed (completed)
- SM Tsun Jin, KL – school closed
- Sek Tinggi Chung Hwa, Seremban – school closed
- SMK Abdul Rahim 2 – school closed)
- SMK Damansara Utama 2 – 1 class closed (completed)
- SMK Wangsa Maju, SS 2, 1 – class closed (completed)
- SMK Seksyen 9, Shah Alam – 1 class closed (completed)
- **SK Setapak Indah, KL – 1 class closed**
- **Seri Cempaka Int. School – 1 class closed**

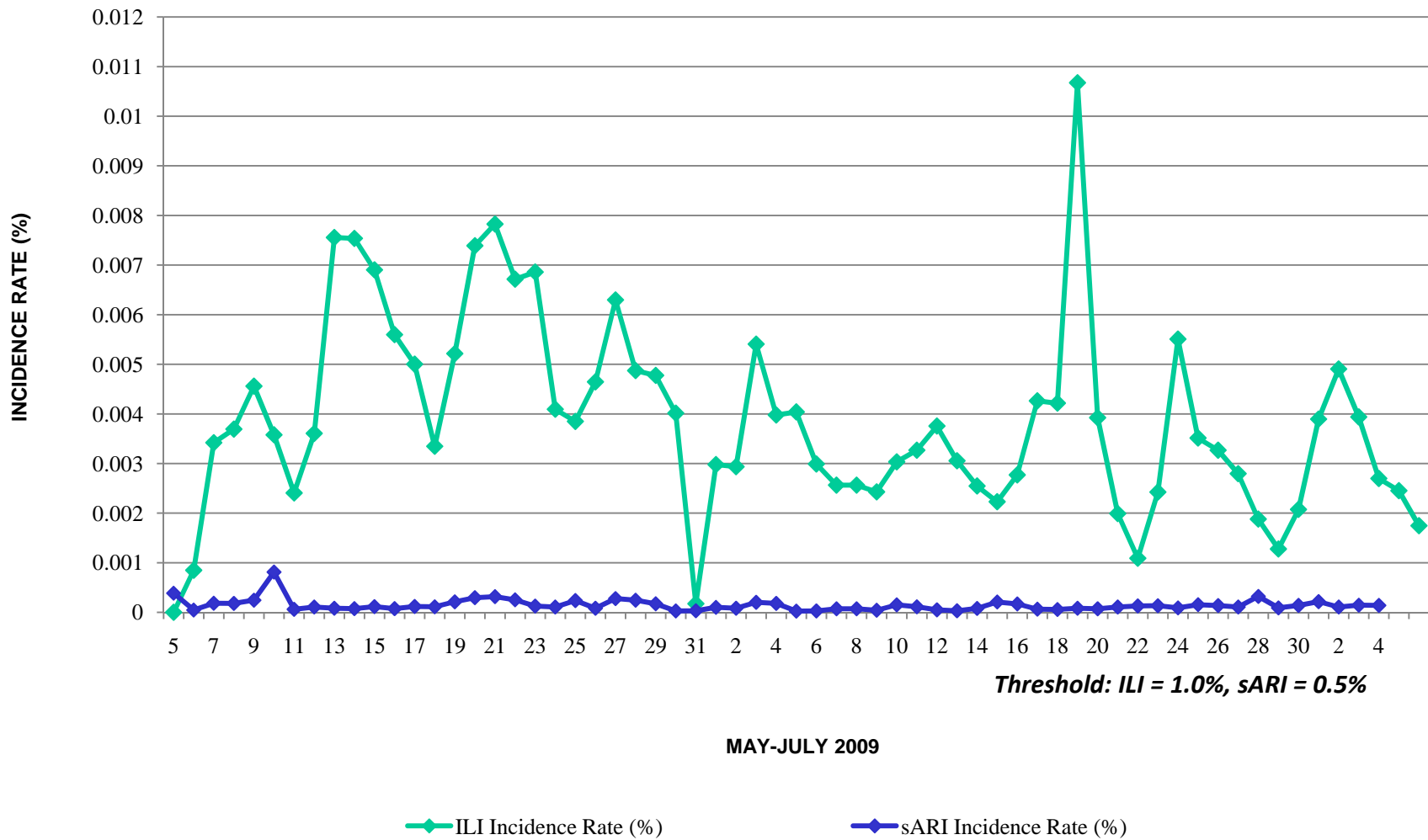


Malaysia's Current Situation – Cluster Outbreaks

- **Asia Pacific Pharmaceutical Conference (APPC)**
– 12 cases (Malaysian)
- **SM Tsun Jin** – 14 cases
- **KLASS** – 10 cases (till 7 July 2009)
- **Akademi Laut** – 6 cases confirmed (with other
40 ILI cases – epidemiological linked?)



ENHANCED SURVEILLANCE: ILI & sARI INCIDENCE RATE IN MALAYSIA, 2009



Malaysia's Current Situation – ILI Virus Surveillance

Two weeks analysis (31 May – 13 June 2009)

Total samples = 70

Positive influenza A = 13 (All seasonal)

No novel influenza A(H1N1)



Malaysia's Current Situation – Community Transmission

- **Multiple unlinked cases (unable to identify source of infection)**
 - **SM Tsun Jin**
 - **KLASS (company operating at KLIA)**
 - **Akademi Laut Malaysia (ALAM), Melaka**
- **Surveillance shows circulation of influenza A (H1N1-2009) in the community**
 - **Event based – Akademi Laut outbreak**
 - **Laboratory-based – no laboratory evidence yet**



Countries that have already implemented mitigation action

- **USA**
- **United Kingdom**
- **Australia**
- **New Zealand**
- **Hong Kong**
- **Japan**
- **Singapore**



Be ready for Mitigation Phase



Mitigation Phase – Planning & Coordination

- **Maintain trust across all agencies & organisation**
- **Designate status as needed, declaring a state of emergency**
- **Work for rational, ethical & transparent access to resources**



Mitigation Phase – Surveillance

Disease Surveillance

- Monitor geographical spread, trends & impact –
 - event-based, cluster, sentinel ILI
 - Notification **ONLY** from hospital admission
- Monitor changes in epidemiological & clinical features
- Virological surveillance to detect antigenic & genetic changes



Mitigation Phase – Surveillance

Monitor impact of pandemic

- Monitor essential health-related resources
 - Medical supplies, antivirals, vaccines, other pharmaceuticals,
 - healthcare worker availability, hospital occupancy,
 - use of alternative health facilities,
 - monitor laboratory material stocks,
 - mortuary capacity



Mitigation Phase – Surveillance

Monitor impact of pandemic

- Monitor absenteeism in workplace and schools
- Essential worker availability
- Groups most affected
- Forecast economic impact of the pandemic, if possible



Mitigation Phase – Reducing Spread of Disease

Management of Cases & Contacts

Containment (initial cases)

- Cases – isolate in hospital + treatment
- Contact – HQO + prophylaxis

Mitigation (evidence of community transmission)

- **Cases**

- only severe cases managed in hospital
- mild cases managed in the community

- **Contacts**

- NO contact tracing & NO HQO



Mitigation Phase – Reducing Spread of Disease

Individual/household level

- Advice those with illness to stay at home and minimise contact with other family members
- Reduce interaction outside the home
- Maintain infection control among household care giver



Mitigation Phase – Reducing Spread of Disease

Society level measures

- Implement social distancing i.e. class suspensions and adjust work patterns
- Reduce travel and avoid crowded places
- Cancellation, restriction, modification of mass gathering if necessary



Mitigation Phase – Reducing Spread of Disease

Pharmaceutical measures

- Antiviral – treatment, prophylaxis
- Vaccine
- Monitor safety and efficacy of pharmaceutical interventions



Mitigation Phase – Continuity of healthcare

- Optimize healthcare system and other facilities
- Implement and adjust triage system
- Enhanced infection control and laboratory settings
- Provide medical and non medical support for patients in household
- Provide social and psychological support for healthcare workers, patients and community

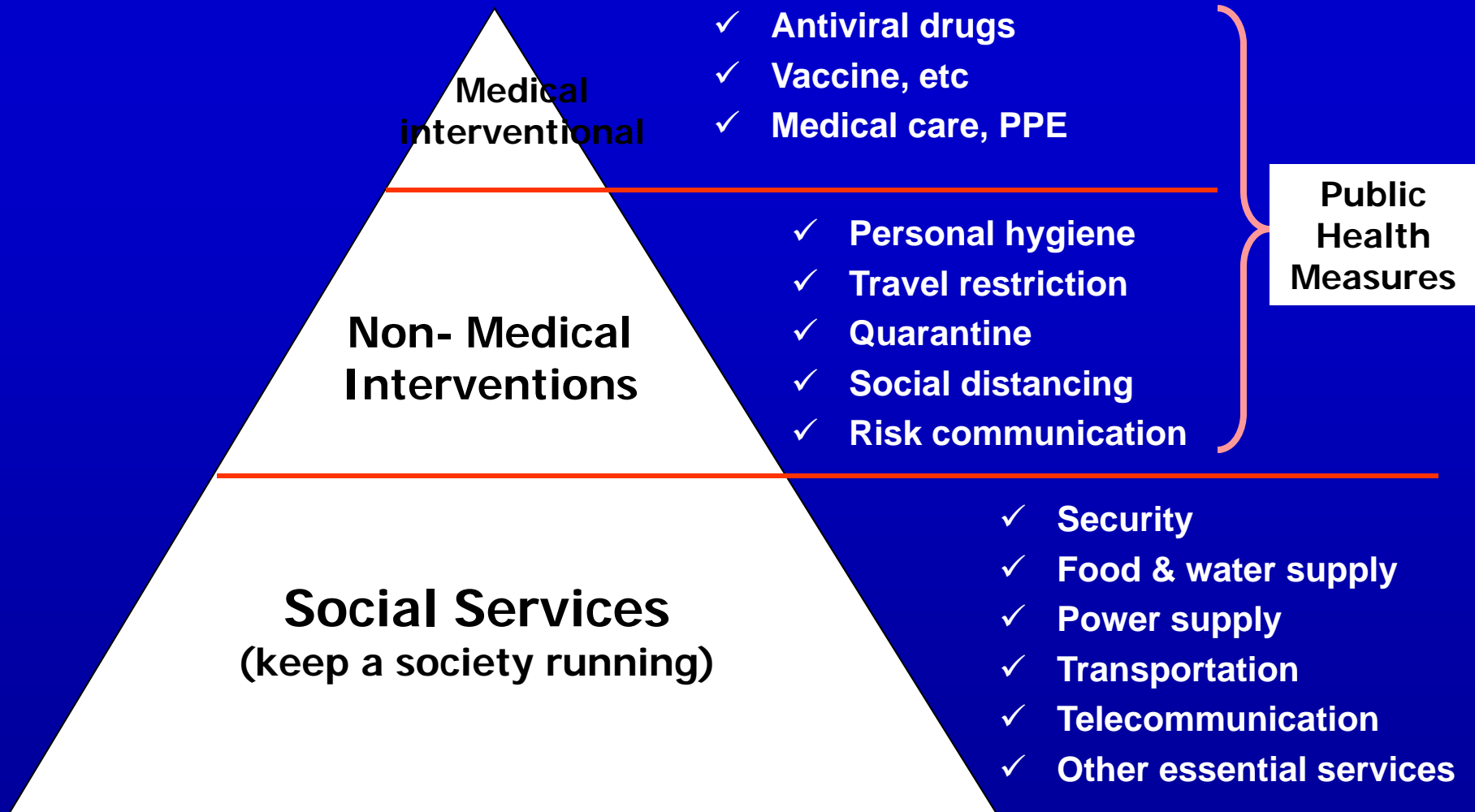


Mitigation Phase – Communication

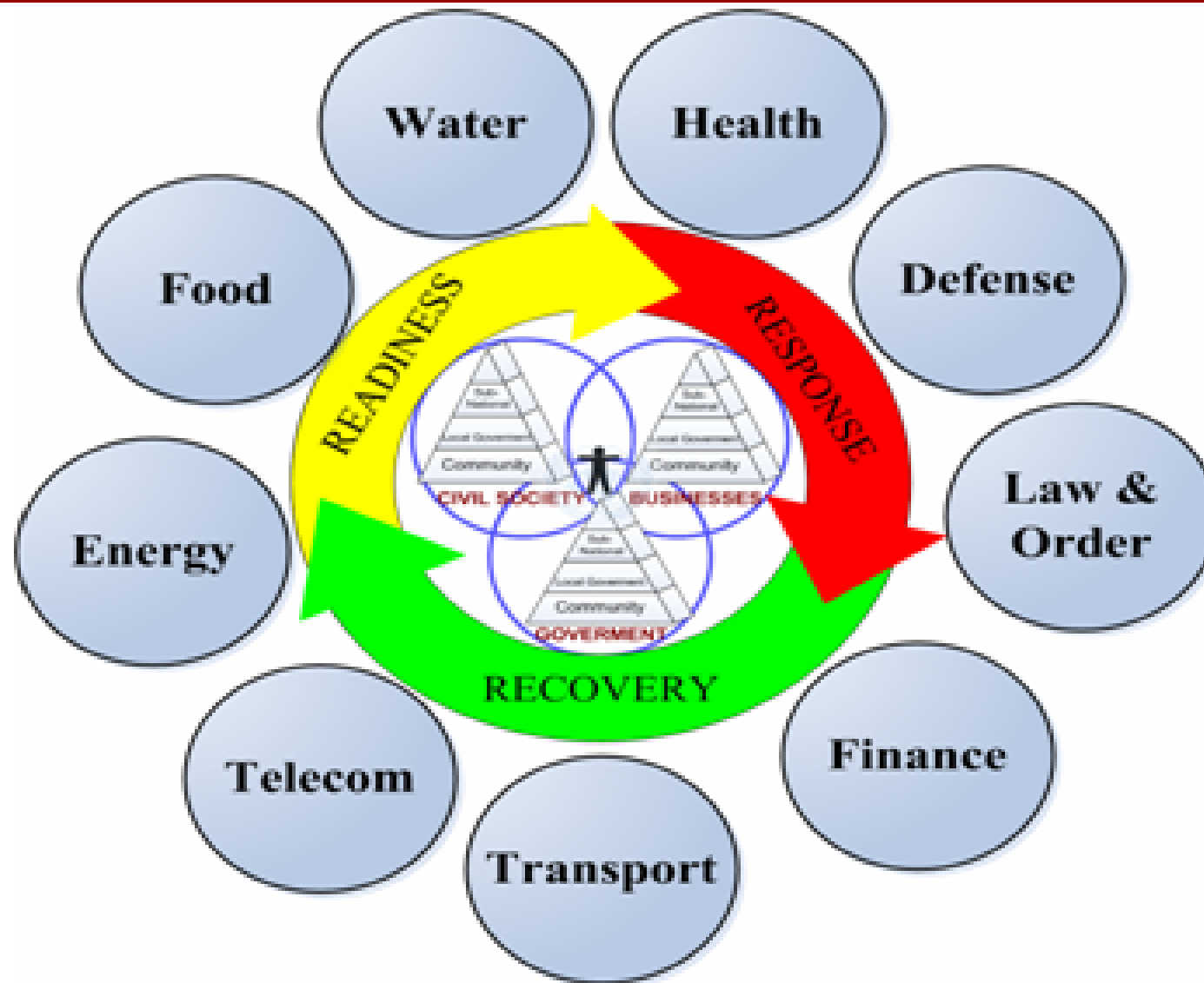
- Regular update the public on the current situation
- Provide regular communication to address societal concern i.e. travel, border closure, school, economy
- Regular updates on emergency medical care and self care medication



Multi-sectoral Approach to Pandemic Response



SECTORS



What Public /Industry/Other Agency Need to Do?

- Infection control – at home, workplace, transport
 - Hygiene, cough etiquette, mask
- Home treatment – compliance, self monitoring
- Ready BCP to ensure essential services functioning
- Restrict / cancel mass gathering
- Update on current situation from credible source



Are we ready ??



THANK YOU

