



Testing Health Systems for Pandemic Preparedness

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- Preparedness
 - Prevention
 - Containment
 - Mitigation
 - Recovery
- Surveillance
- Mitigation
- Research, preparedness and Singapore





Prevention

Transformation of ecological systems and emergence of new ecological niches

NOWHERE MORE TRANSFORMATIVE THAN SE ASIA



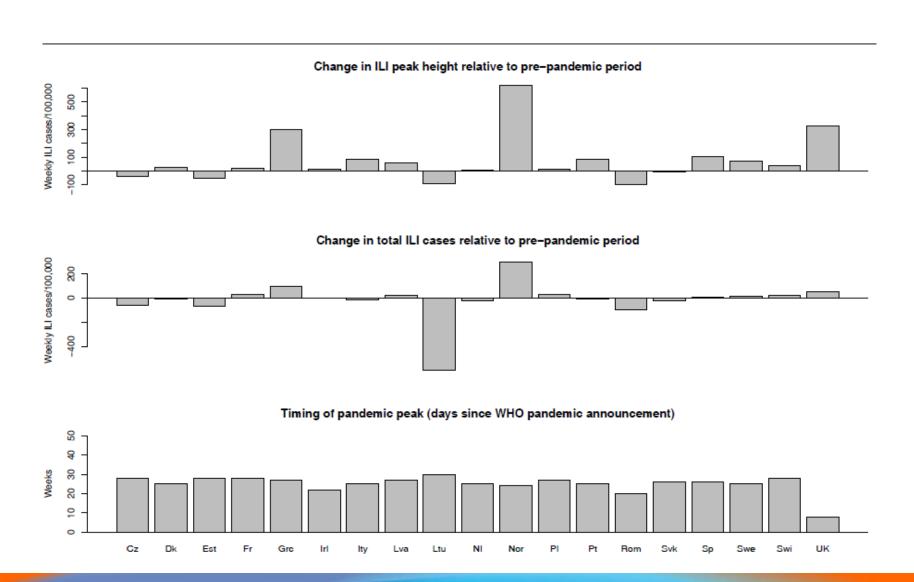


The purpose of surveillance – information for action

- Prediction to inform prevention
- Informing clinical interventions in a timely manner
- Informing health system responses

The Power of Planning?





Capacity or Capability?

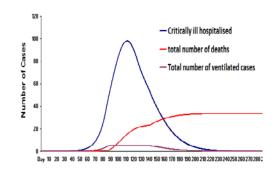


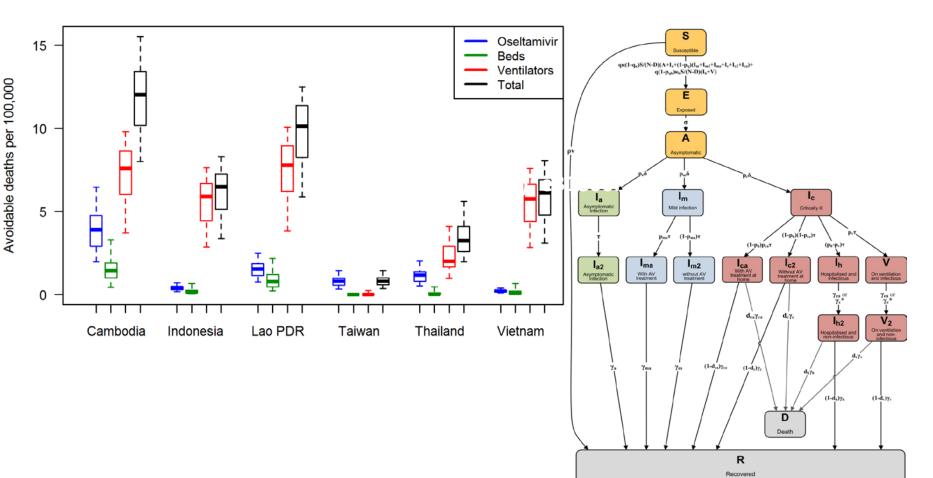






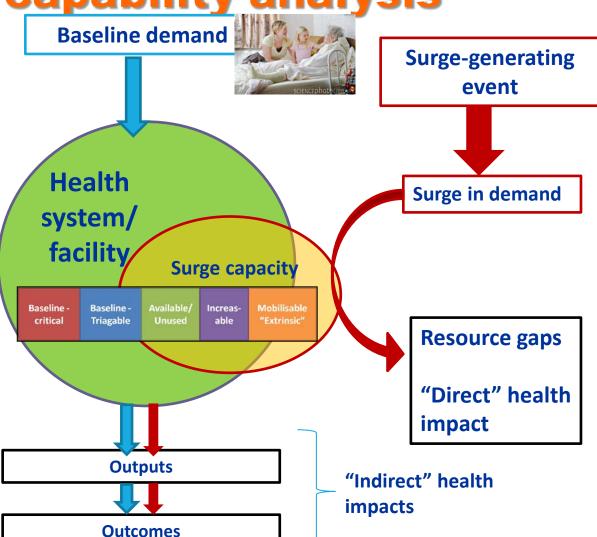
Capacity to respond to pandemic flu in SE Asia



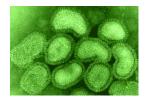


Surge response capability analysis





Models of surge scenarios



GOVERNANCE

National University of Singapore Saw Swee Hock School of Public Health

Preparedness: a research agenda for Singapore?

- Predicting SE Asia public health threats – enlightened self-interest. Research to improve surveillance design.
- Understanding changing ecological niches.
- Clinical interventions what works clinically
- Improving health system capability – in the face of uncertainty





Human cases of H5N1 in 2012