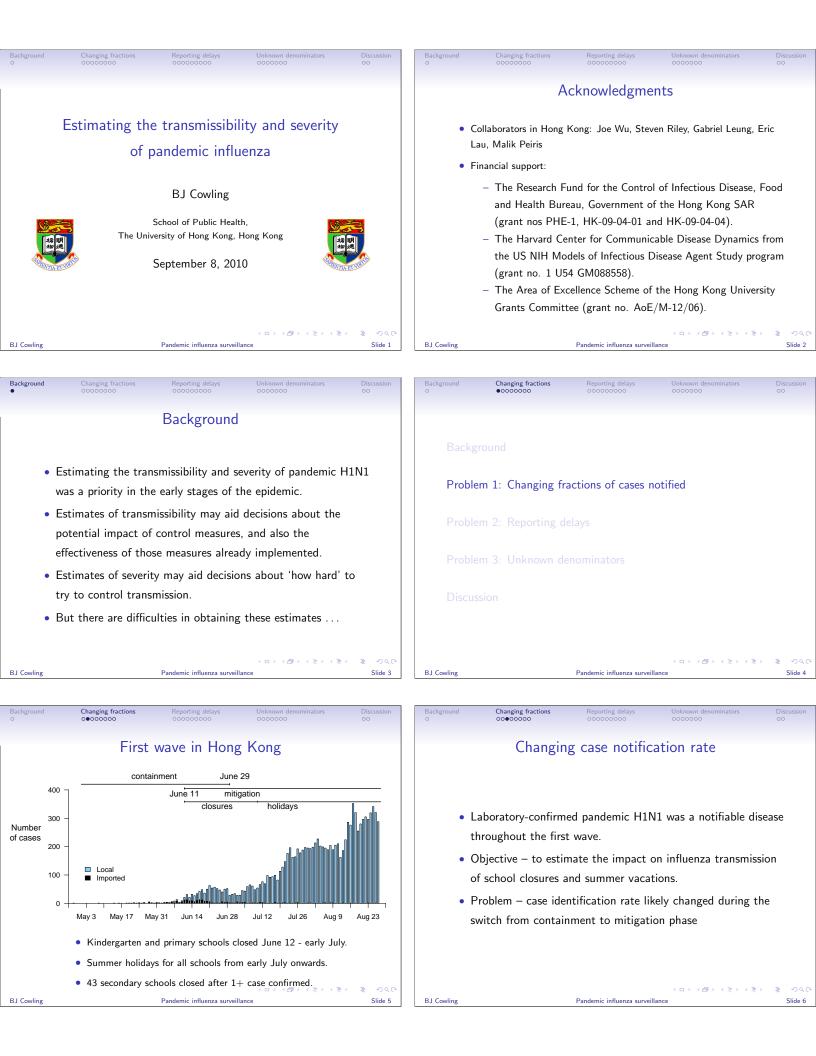


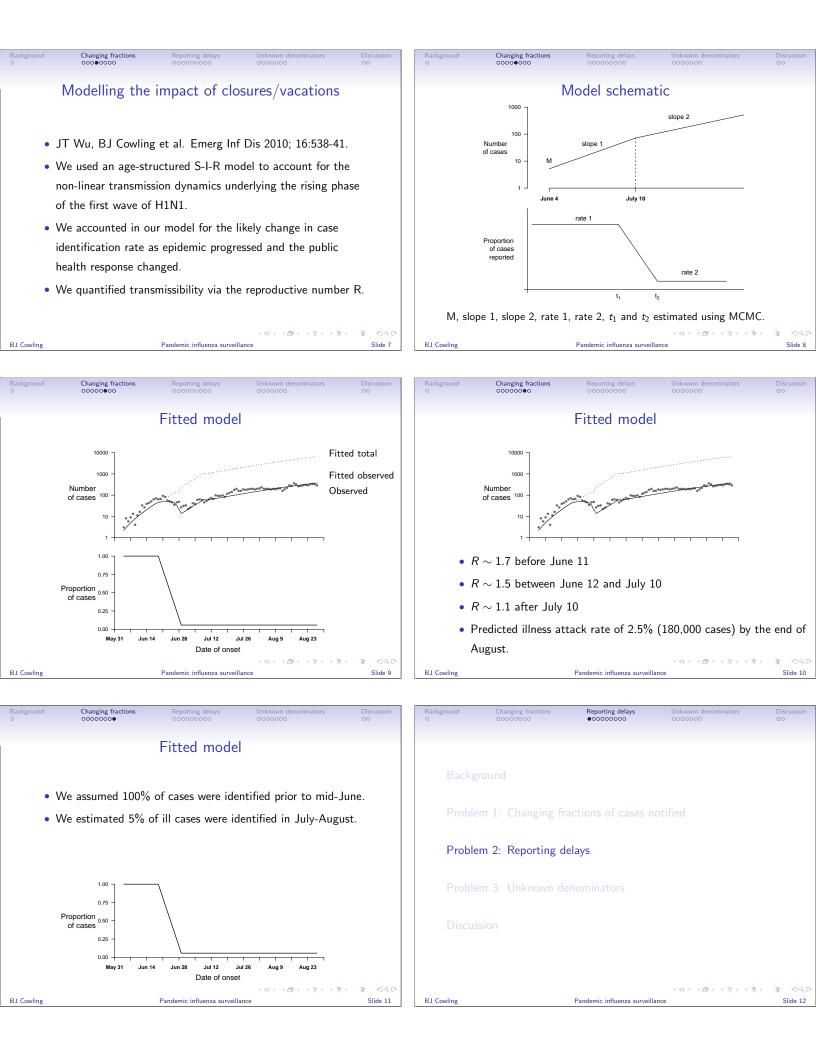
The HKU Scholars Hub

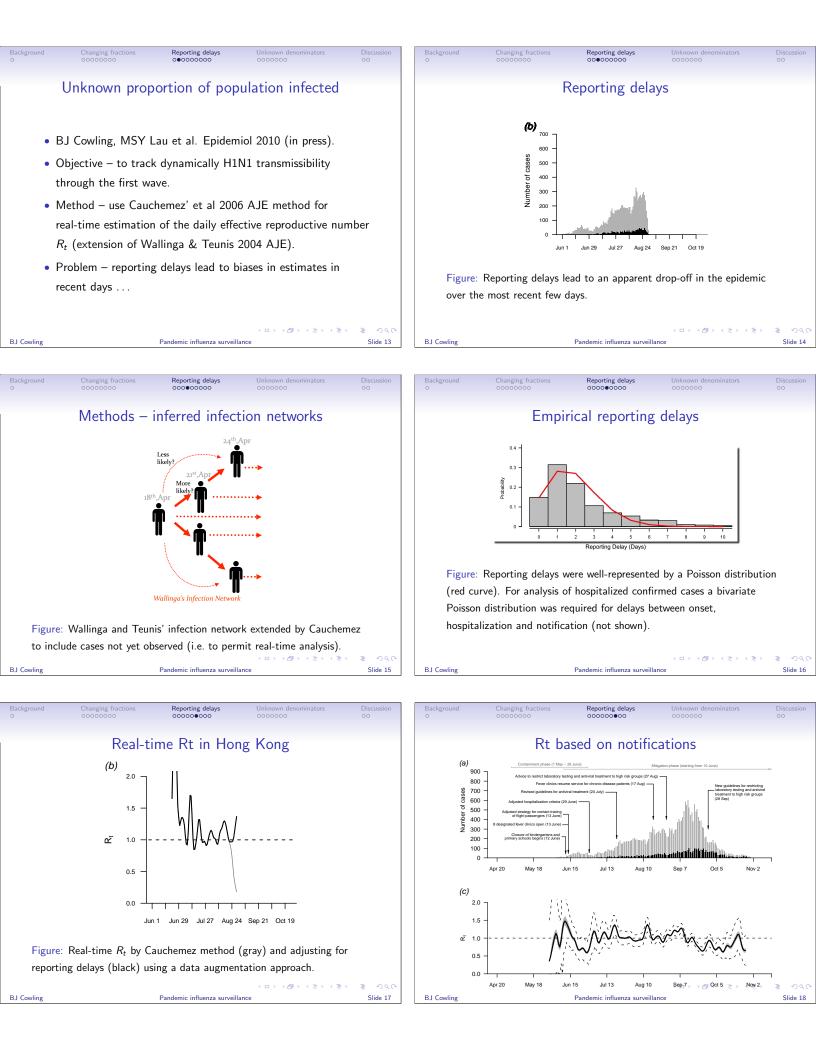
The University of Hong Kong

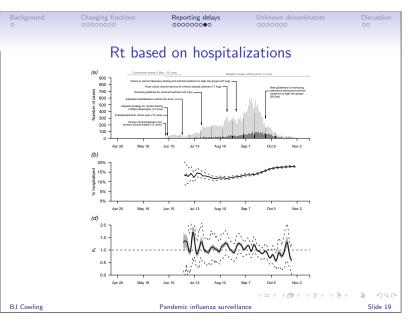


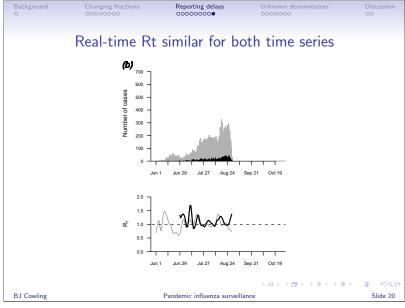
Title	Estimating the transmissibility and severity of pandemic influenza
Author(s)	Cowling, BJ
Citation	The 2011 International Forum on Influenza and Other Respiratory Infections and the Multinational Influenza Seasonal Mortality Study (MISMS) Training Workshop, WuZhou, Beijing, China, 2-6 August 2011.
Issued Date	2010
URL	http://hdl.handle.net/10722/143857
Rights	Creative Commons: Attribution 3.0 Hong Kong License



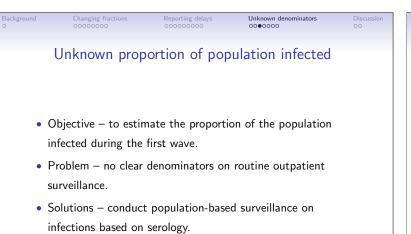


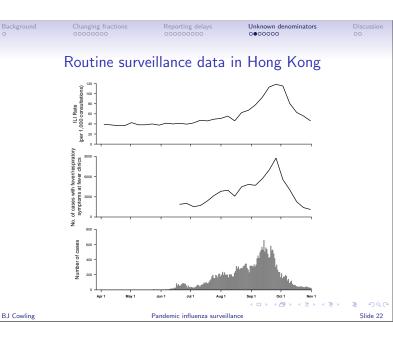












Serologic surveillance

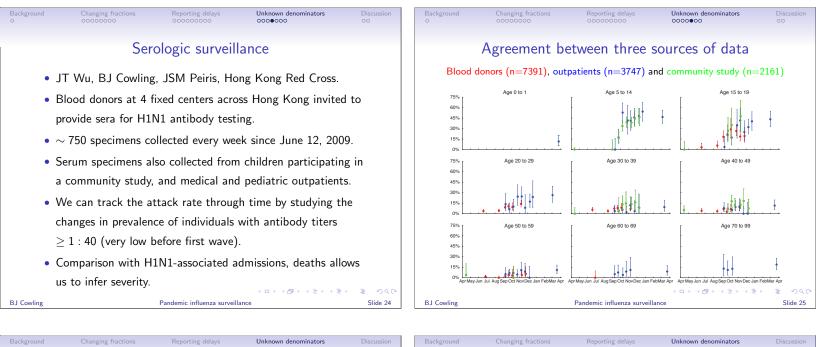
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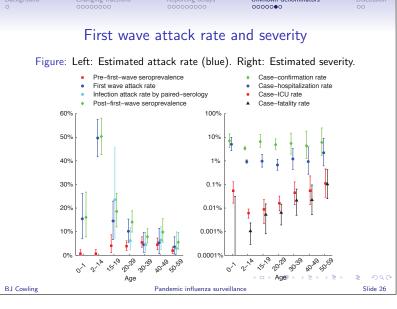
- JT Wu, BJ Cowling, JSM Peiris, Hong Kong Red Cross.
- Blood donors at 4 fixed centers across Hong Kong invited to provide sera for H1N1 antibody testing.
- $\bullet~\sim750$ specimens collected every week since June 12, 2009.
- Serum specimens also collected from children participating in a community study, and medical and pediatric outpatients.

BJ Cowling

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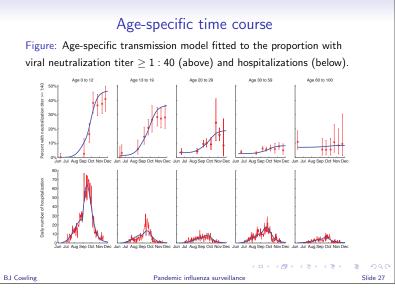
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- School closures and vacations were associated with substantial reductions in H1N1 transmissibility.
- Around 50% of school-age children infected in Hong Kong, but low attack rates in older adults.
- Severe illness much more common (per infection) with increasing age.



Implications for pandemic planning

- Routine laboratory testing of a defined subset of hospitalized cases for example all patients hospitalized with severe ARI in a subset of hospitals (Lipsitch et al. 2009 Lancet).
- Prospective cross-sectional serologic surveillance could allow timely information on transmissibility and severity, provided testing capacity exists.

Pandemic influenza surveillance

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Discussion

Discuss 0

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