



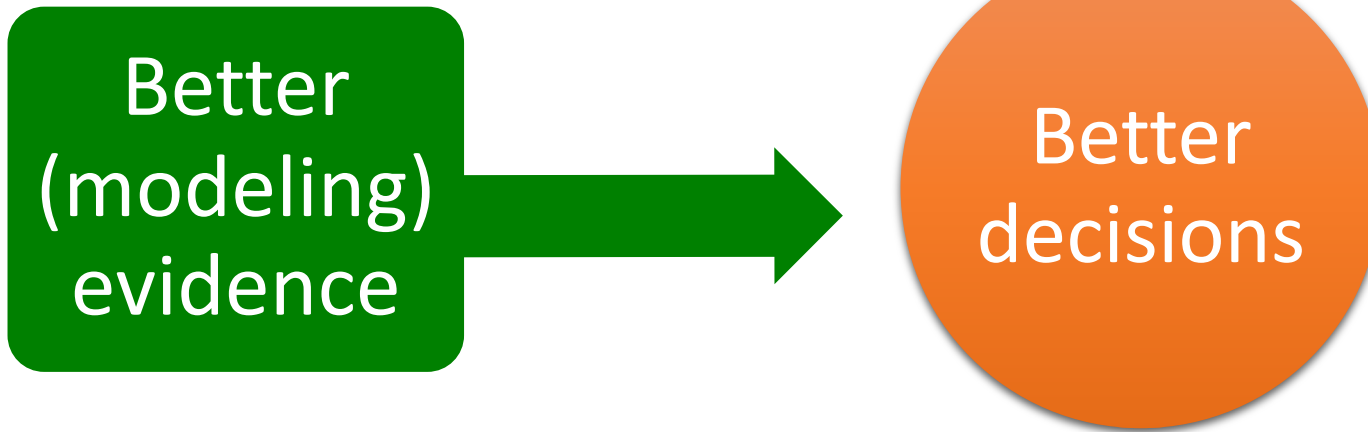
How Can We Develop Better Models for Better Decision-Making in Low- and-Middle Income Countries to respond to the COVID-19 pandemic?

Yot Teerawattananon M.D., Ph.D.

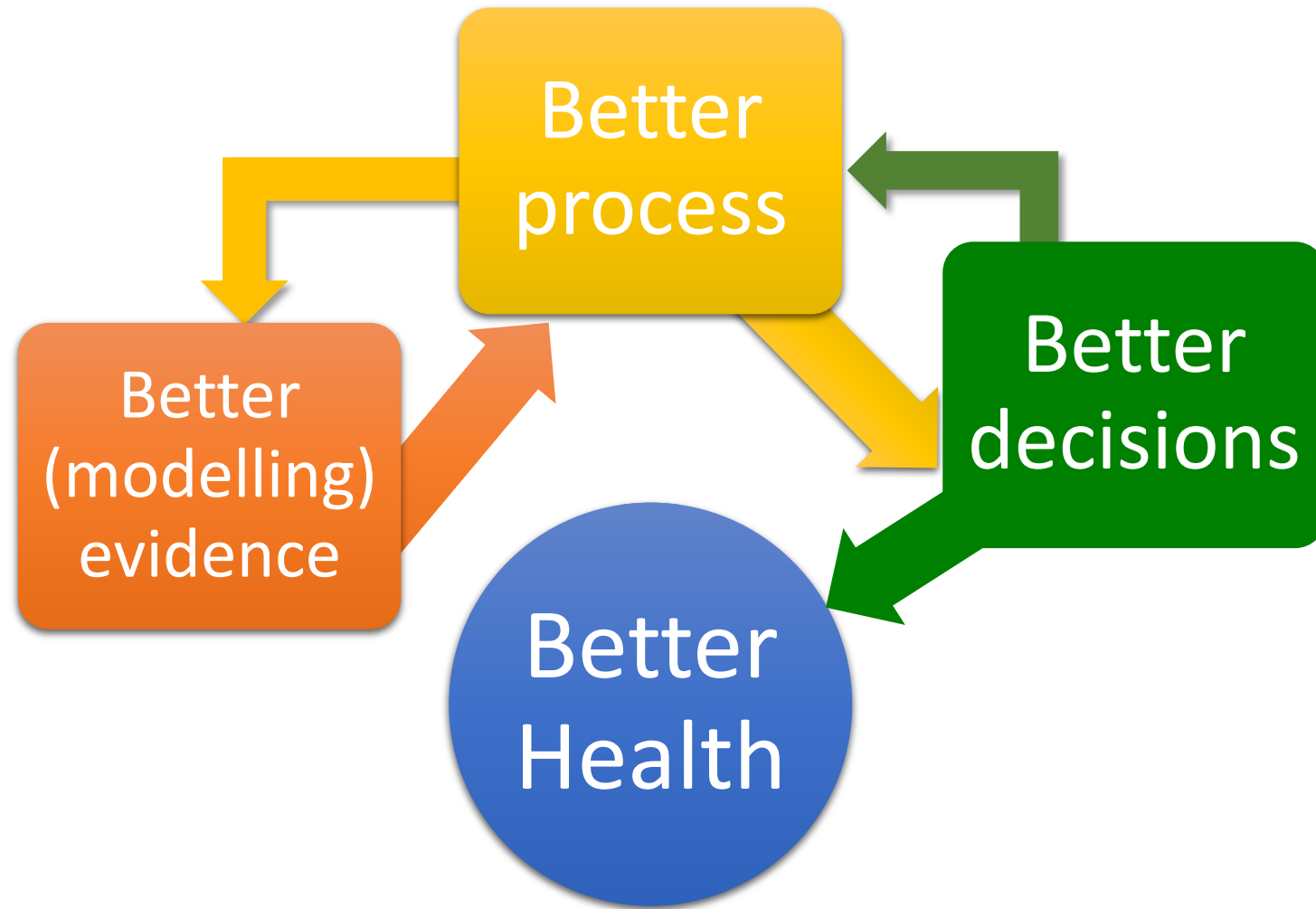
Health Intervention and Technology Assessment Program (HITAP)

Saw Swee Hock School of Public Health, National University of Singapore





iDSI theory of change



Issues to be considered

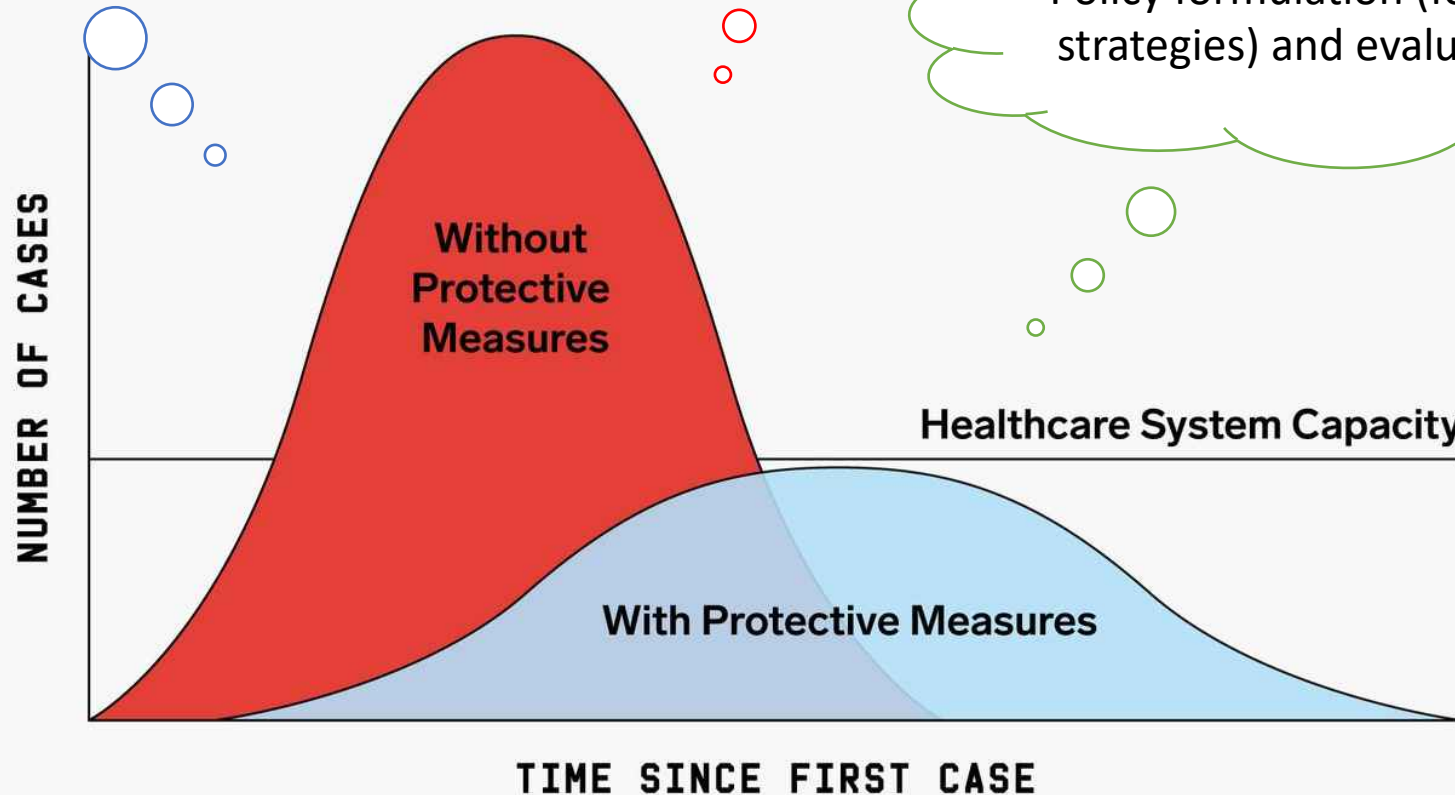
- What is the process needed to ensure better evidence leading to better decisions in countries?
- What are policy questions that local decision makers are addressing? What type of data do decision makers need to answer these questions?



Agenda setting
(awareness raising) and
Policy formulation

Policy evaluation and
adjustment

Policy formulation (for exit
strategies) and evaluation



Issues to be considered

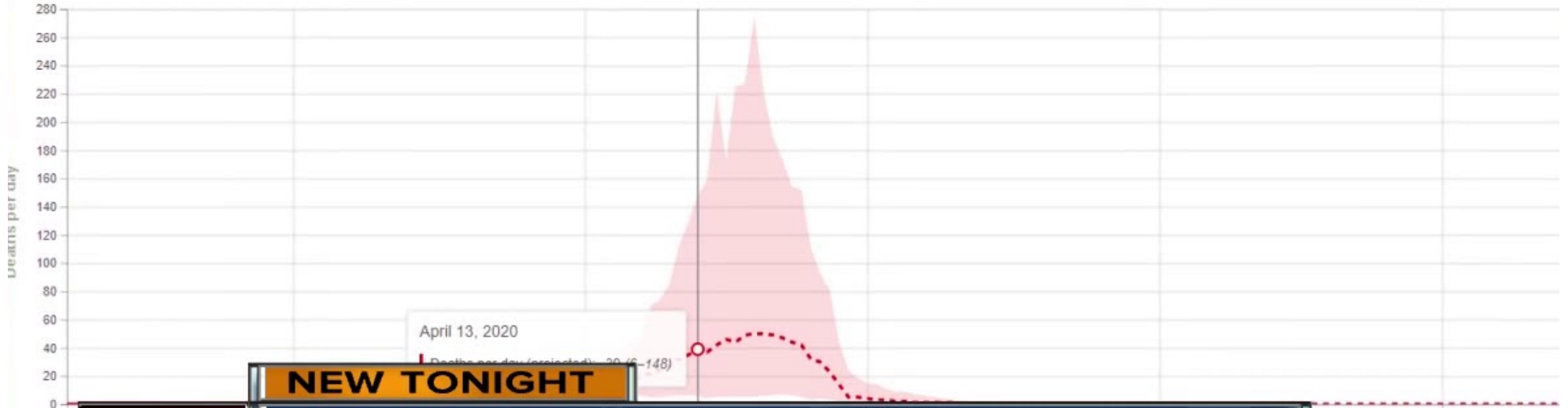
- What is the process needed to ensure better evidence leading to better decisions in countries?
- What are policy questions that local decision makers are addressing? What type of data do decision makers need to answer these questions?
- How should modelers communicate the uncertainty involved in modeling?
- How can decision makers receive continuous support from modelers?
- How should modelers disseminate the modeling results? Is public media the optimal channel of communication?



Deaths per day ⓘ

14 days
until projected peak in daily deaths

50 COVID-19 deaths
projected on April 19, 2020



NEW TONIGHT

**NEW COVID-19 PREDICTION FOR NEVADA
PEAK ON APRIL 19, 50 DEATHS PER DAY**



TOWBIN
PRESTIGE

U.S. NEWS

LOCAL

IG EASTER EGG HUNT

13 CATHOLIC DIOCESE HOLDS VIRTUAL P/

11:03

64°



Hundreds linked to boxing stadium positive Covid-19 test

Coronavirus: India 'super spreader' quarantines 40,000 people

27 March 2020

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Coronavirus pandemic



GETTY IMAGES

Punjab has 30 confirmed cases of the virus

Indian authorities in the northern state of Punjab have quarantined around 40,000 residents from 20 villages following a Covid-19 outbreak linked to just one man.



Coronavirus: Mumbai's Wockhardt Hospital Shuts After 3 Doctors, 26 Nurses Test Positive

270 nurses and patients from the hospital are being tested for coronavirus. Entry and exit to the hospital has also been sealed till all the patients are tested for the virus.



Outlook Web Bureau
06 April 2020



Issues to be considered

- What is the process needed to ensure better evidence leading to better decisions in countries?
- What are policy questions that local decision makers are addressing? What type of data do decision makers need to answer these questions?
- How should modelers communicate the uncertainty involved in modeling?
- How can decision makers receive continuous support from modelers?
- How should modelers communicate the results with decision makers? Is public media the optimal channel of communication?
- What should be done to ensure long-term sustainability of modeling works supporting policy decisions in LMICs after the COVID-19 pandemic?

