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

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Better (modeling) evidence → Better decisions
iDSI theory of change

Better Health

Better decisions

Better process

Better (modelling) evidence
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

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**Diagram:**

- **Without Protective Measures**
- **With Protective Measures**

**Axes:**
- **NUMBER OF CASES**
- **TIME SINCE FIRST CASE**

**Healthcare System Capacity**
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?
NEW TONIGHT

NEW COVID-19 PREDICTION FOR NEVADA
PEAK ON APRIL 19, 50 DEATHS PER DAY
Hundreds linked to boxing stadium positive Covid-19 test

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

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.

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.
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?