

# Effective Collaboration to Respond to COVID-19: Taiwan Model

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#IHFCOVIDForum

# Dr. Wui-Chiang Lee

**Declaration:** I DO NOT have any financial relationship with a commercial interest in the past 12 months.

## Education:

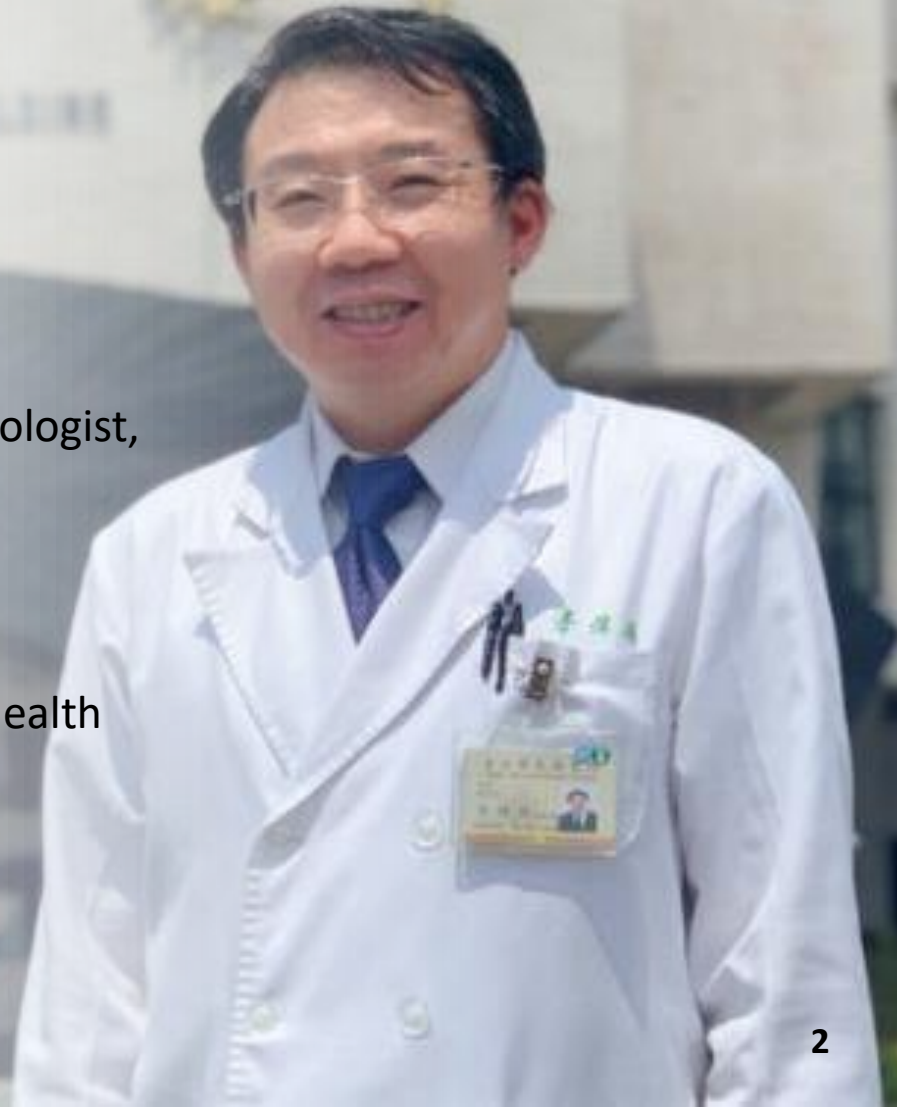
- Ph.D. and MHS, Johns Hopkins University School of Public Health, USA
- MD, National Yang-Ming University School of Medicine, Taiwan

## Current jobs:

- Director, Department of Medical Affairs and Planning, and gastroenterologist, Taipei Veterans General Hospital, Taiwan
- Professor, National Yang-Ming University School of Medicine, Taiwan

## Experiences:

- Former Director-General, Department of Medical Affairs, Ministry of Health and Welfare, Taiwan
- Former CEO, Joint Commission of Taiwan
- President, Asian Society for Quality in Health Care (ASQua)
- Board, International Society for Quality in Health Care (ISQua)

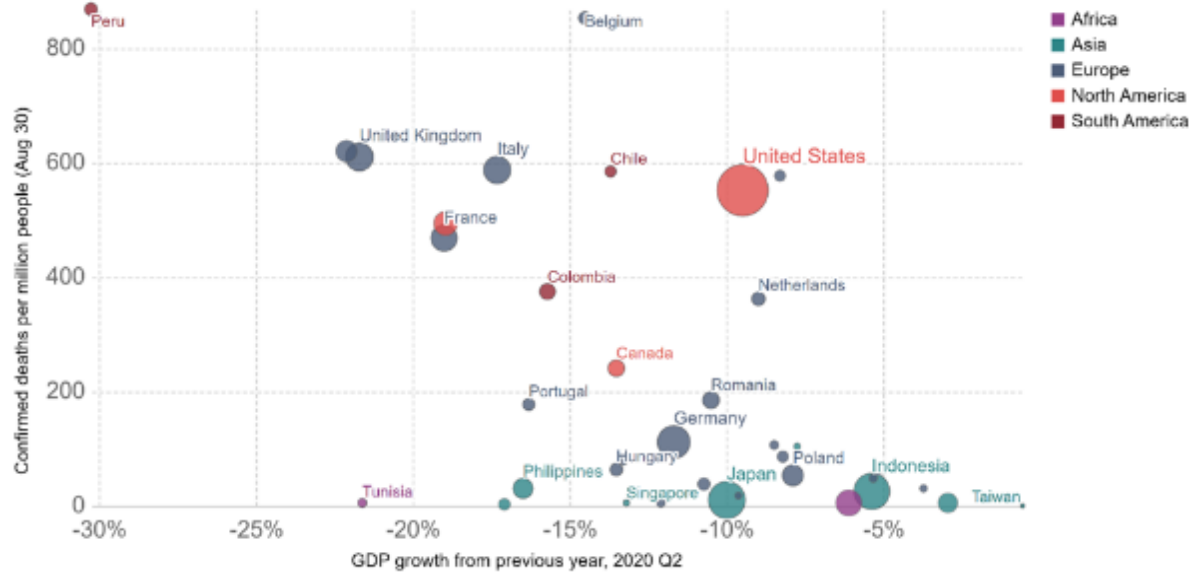


# Taiwan: 550 Cases and 7 Deaths (Oct. 24)

## Economic decline in the second quarter of 2020 vs rate of confirmed deaths due to COVID-19

Our World in Data

The vertical axis shows the number of COVID-19 deaths per million, as of August 30. The horizontal axis shows the percentage decline of GDP relative to the same quarter in 2019. It is adjusted for inflation.

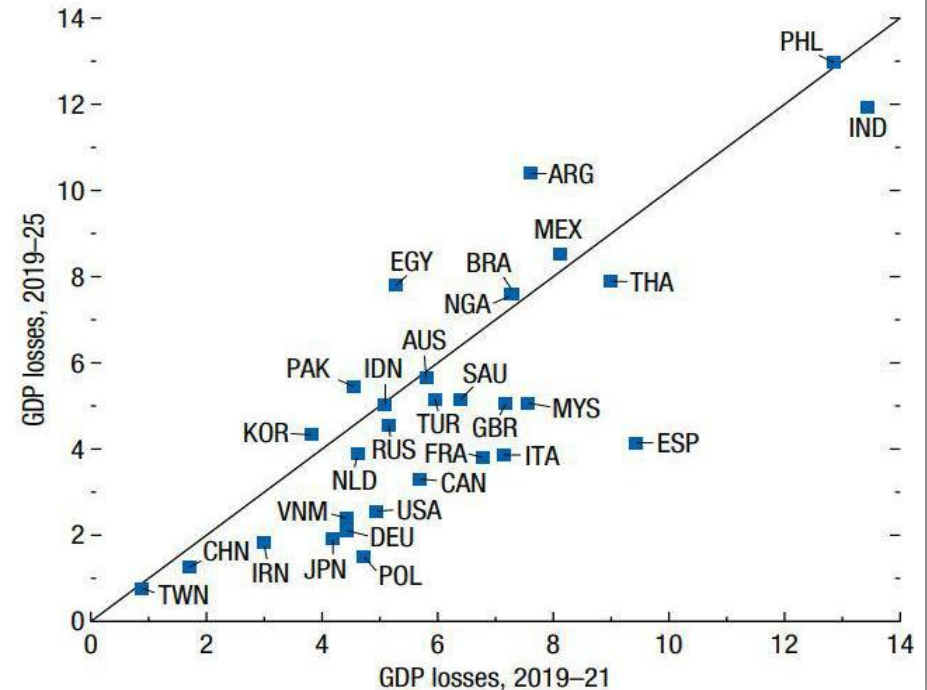


Source: European CDC, Eurostat, OECD and individual national statistics agencies  
 Note: Limited testing and challenges in the attribution of the cause of death means that the number of confirmed deaths may not be an accurate count of the true number of deaths from COVID-19. Data for China is not shown given the earlier timing of its economic downturn. The country

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OXFORD Study, September, 2020

Over the medium term, advanced and emerging market and developing economies will only modestly progress toward the 2020–25 path of economic activity projected before the COVID-19 pandemic.



IMF report October, 2020

# Drawing Right Lessons from SARS Outbreak

- **Global:**
  - **Infected: 8,096**
  - **deaths 774**
- **Taiwan:**
  - **Infected: 346**  
**(medical staff: 105)**
  - **Deaths: 73**  
**(medical staff: 10)**

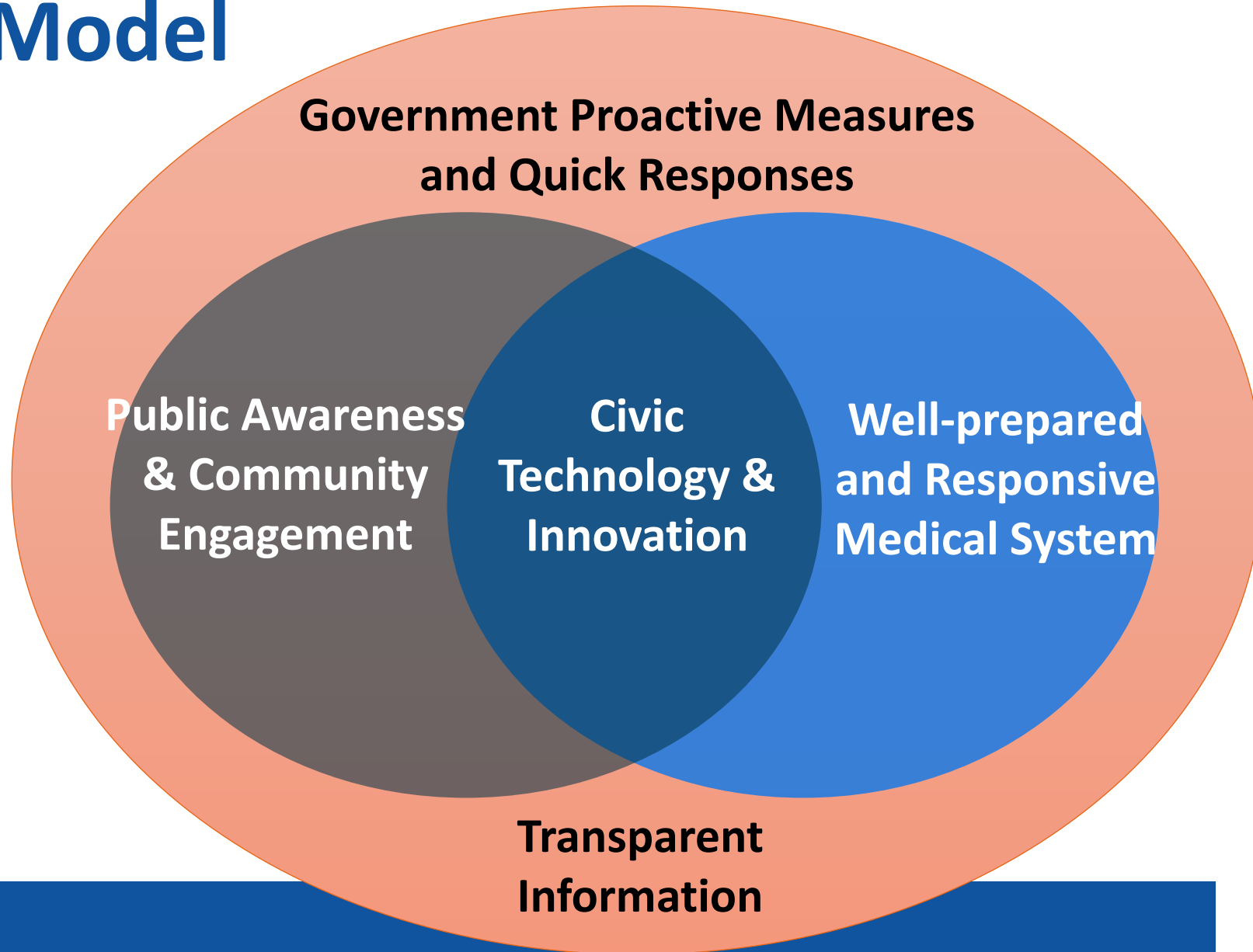


A hospital in Taipei was lockdown in 2003



# Taiwan Model

Dr. WC Lee



# Government Proactive Measures and Quick Responses (1)



Amending “Communicable Disease Control Act” in 2004



Strengthening Taiwan CDC’s infrastructure, manpower and organization efficiency



Establishing Central Epidemic Command Center (CECC) for national coordination



Establishing communicable disease control medical network



Enhancing communicable diseases surveillance and reporting system

# Government Proactive Measures and Quick Responses (2)



Activating tight border control and travel restriction



Activating CECC as the highest commanding system for inter-ministry collaboration



Taking precision testing strategies and comprehensive infection investigation



Controlling and rationing strategic material and establishing domestic mass production lines



Supporting medical delivery system enough masks, PPEs stockpile, manpower, and finance



Expanding testing laboratories and investing vaccine & medication R&D

# Well-prepared and Responsive Medical System



**Initiating contingency plan for emerging communicable disease with rehearsal every year**



**Establishing an infection control team by infection specialists and nurses**



**Preparing for forward triage and fever screening out of main campus**



**Maintaining enough ICUs, isolation wards and PPE stockpile for 30 days**



**Activating infection control plan align with CECC's guidance in COVID pandemic**



**Taking every effort to avoid nosocomial infections and protect medical workers**



# Public Awareness and Community Engagement



**Establishing community networks as the units of infection containment**



**Advocating awareness and self-discipline during pandemic**



**Adhering to CECC guidance (such as wearing mask, social distancing, etc.)**



**Enforcing social cohesion: everyone has responsibility and can contribute**



**Mobilizing all resources to support the government and healthcare systems**

# Civic Technology and Innovation



**Engaging Taiwan's Information and Communication technology**



**Leading by government tech minister and civic ICT experts**



**Tracking quarantine/isolation, rationing masks purchases, etc.**



**Linking individual's medical information and immigration record**



**Adopting telemedicine and AI-driven applications for patients**

# Transparent Information



**Keeping the community informed by daily press conference host by CECC**



**Advocating governmental infection control policies and international trends**



**Delivering correct message and refuting rumors**



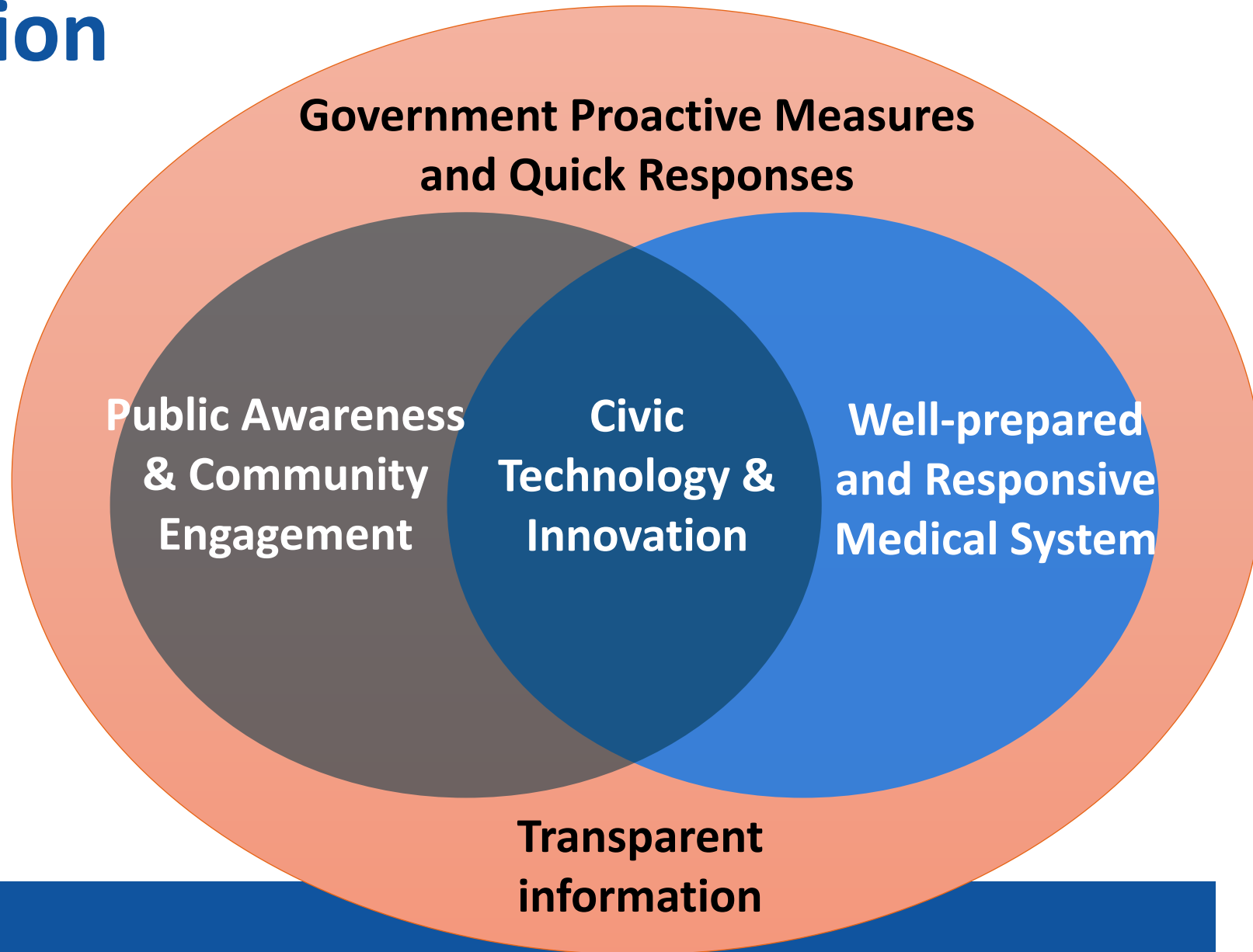
**Collaborating community opinion leaders and medical experts**



**Reducing public anxiety and enhancing social solidarity**

# Conclusion

*Dr. WC Lee*





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