

Hiroaki Murayama

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Name: Hiroaki Murayama

Education:

2019-(present) Medical Student, Dept. of Medicine, School of Medicine, International University of Health and Welfare, Chiba, Japan

Career/Academic Appointments:

2020-(present) Advisor, The National COVID-19 Cluster Taskforce, Ministry of Health, Labour and Welfare, Tokyo, Japan (Advisor: Prof. Hiroshi Nishiura)

2021-(present) Research Assistant, Graduate School of Social Sciences, Chiba University, Chiba, Japan (Advisor: Dr. Shoto Yonekura)

2021-(present) Member, CoV-Navi (<https://covnavi.jp/>)

Publications:

Peer-Reviewed Original Research (†: equal contribution)

1. **Murayama, H.†**, Yamasaki, L.† & Hashizume, M. The impact of temperature on the transmissibility and virulence of COVID-19 in Tokyo, Japan. *Scientific Reports* (2021).
2. **Murayama, H.**, Kayano, T. & Nishiura, H. Estimating COVID-19 cases infected with the variant alpha (VOC 202012/01): an analysis of screening data in Tokyo, January-March 2021. *Theoretical Biology and Medical Modelling* 18, 13 (2021).

Preprint (†: equal contribution)

1. Ko, KY., **Murayama, H.**, Yamasaki, L., Kinoshita, R., Suzuki, M. & Nishiura, H. Evaluating the Age-Specific Effectiveness of COVID-19 Vaccines Against Death and the Impact of Healthcare Burden on Age-Specific Case Fatality Risk in Tokyo, Japan. SSRN (2022).
2. **Murayama, H.†**, Yamasaki, L.† & Hashizume, M. The impact of temperature on the transmission potential and virulence of COVID-19 in Tokyo, Japan. *medRxiv* (2021).

Conference:

1. Ko, KY., **Murayama, H.**, Yamasaki, L., Kinoshita, R., Suzuki, M. & Nishiura, H. Evaluating the Age-Specific Effectiveness of COVID-19 Vaccines Against Death and the Impact of Healthcare Burden on Age-Specific Case Fatality Risk in Tokyo, Japan. The 32th Annual Scientific Meeting of the Japan Epidemiological Association, Dec. 2021. (Oral)

Skills & Interests:

Analytical

Infectious disease epidemiology, Theoretical epidemiology, Mathematical modelling of infectious diseases, Bayesian inference

Programming

R, Julia, Stan

Membership

1. Japan Epidemiological Association
2. Japanese Society of Tropical Medicine