

Date of Revision: 15/06/2022

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;11(1):24477. Available from: <https://doi.org/10.1038/s41598-021-04242-3>
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*. 2021;18(1):13. Available from: <https://doi.org/10.1186/s12976-021-00146-x>

Preprint (†: equal contribution)

1. Endo A, **Murayama H**, Abbott S, Ratnayake R, Pearson CAB, Edmunds WJ, et al. Heavy-tailed sexual contact networks and the epidemiology of monkeypox outbreak in non-endemic regions, May 2022. *medRxiv*. 2022 Jun 1;2022.06.13.22276353. Available from: <http://medrxiv.org/content/early/2022/06/13/2022.06.13.22276353.abstract>
2. 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 Feb. Available from: <https://dx.doi.org/10.2139/ssrn.4032463>

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, COVID-19, Monkeypox

Programming

R, Julia, Stan

Membership

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