

# Mitsuru Mukaigawara, M.D., M.P.P.

Last updated: February 2024

Ph.D. Candidate in Government

A.M. Candidate in Statistics

Harvard University

Address: Institute for Quantitative Social Science, Harvard University  
1737 Cambridge Street, Cambridge, MA 02138

Email: [mitsuru\\_mukaigawara@g.harvard.edu](mailto:mitsuru_mukaigawara@g.harvard.edu)

Website: <https://www.mitsurumukaigawara.com/>

## Education

### Harvard University

Ph.D., Government 2021—

Douglas Dillon Fellow

Fields: International Relations, Political Methodology, Political Psychology

Committee: Marcella Alsan, Dara Cohen, Kosuke Imai, Joshua Kertzer (Chair)

A.M., Statistics 2023—

M.P.P., Public Policy, John F. Kennedy School of Government 2021

Advisor: Marcella Alsan

Recipient of the Robert Belfer Annual Award (for best master's thesis in international relations)

### Tokyo Medical and Dental University

M.D. 2013

Visiting Medical Student, Harvard Medical School (2012)

## Selected Working Papers

1. Mitsuru Mukaigawara, Georgia Papadogeorgou, Jason Lyall, and Kosuke Imai. *geocausal*: R package for spatio-temporal causal inference.

## Peer-Reviewed Publications

### Political Science

1. Carly Wayne, Mitsuru Mukaigawara, Joshua Kertzer, and Marcus Holmes. Diplomacy by committee: Assessing resolve and costly signals in group settings. Accepted by *American Journal of Political Science*.

## Medicine: Global and Public Health

1. Shingo Fukuma, Mitsuru Mukaigawara, Toshiaki Iizuka, and Yusuke Tsugawa. Impact of the national health guidance intervention for obesity and cardiovascular risks on healthcare utilisation and healthcare spending in working-age Japanese cohort: regression discontinuity design. *BMJ Open*, 12(7):e056996, 2022.
2. Mitsuru Mukaigawara, Janelle Winters, Genevieve Fernandes, and Devi Sridhar. Balancing science and political economy: Tobacco control and global health. *Wellcome Open Research*, 3(40), 2018.
3. GBD 2013 Risk Factors Collaborators. Global, regional, and national comparative risk assessment of 79 behavioural, environmental and occupational, and metabolic risks or clusters of risks in 188 countries, 1990–2013: a systematic analysis for the Global Burden of Disease Study 2013. *Lancet*, 386(10010):2287, 2015.
4. GBD 2013 Collaborators. Global, regional, and national disability-adjusted life years (DALYs) for 306 diseases and injuries and healthy life expectancy (HALE) for 188 countries, 1990–2013: quantifying the epidemiological transition. *Lancet*, 386(10009):2145–2191, 2015.
5. GBD 2013 Collaborators. Global, regional, and national incidence, prevalence, and years lived with disability for 301 acute and chronic diseases and injuries in 188 countries, 1990–2013: a systematic analysis for the Global Burden of Disease Study 2013. *Lancet*, 386(9995):743–800, 2015.
6. GBD 2013 Mortality and Causes of Death Collaborators. Global, regional, and national age-sex specific all-cause and cause-specific mortality for 240 causes of death, 1990–2013: a systematic analysis for the Global Burden of Disease Study 2013. *Lancet*, 385(9963):117–171, 2015.
7. GBD 2013 Collaborators. Global, regional, and national incidence and mortality for HIV, tuberculosis, and malaria during 1990–2013: a systematic analysis for the Global Burden of Disease Study 2013. *Lancet*, 384(9947):1005–1070, 2014.
8. GBD 2013 Collaborators. Global, regional, and national levels and causes of maternal mortality during 1990–2013: a systematic analysis for the Global Burden of Disease Study 2013. *Lancet*, 384(9947):980–1004, 2014.
9. Gayle P. Dolan, Rebecca C. Harris, Mandy Clarkson, Rachel Sokal, Gemma Morgan, Mitsuru Mukaigawara, Hiroshi Horiuchi, Rachel Hale, Laura Stormont, Laura Bécharde-Evans, Yi-Sheng Chao, Sergey Eremin, Sara Martins, John S Tam, Javier Penalver, Arina Zanuzadana, and Jonathan S Nguyen-Van-Tam. Vaccination of healthcare workers to protect patients at increased risk of acute respiratory disease: summary of a systematic review. *Influenza and Other Respiratory Viruses*, 7:93–96, 2013.
10. Charles R. Beck, Bruce C. McKenzie, Ahmed B. Hashim, Rebecca C. Harris, Arina Zanuzadana, Gabriel Agboado, Elizabeth Orton, Laura Bécharde-Evans, Gemma Morgan, Charlotte Stevenson, Rachel Weston, Mitsuru Mukaigawara, Joanne Enstone, Glenda Augustine, Mobasher Butt, Sophie Kim, Richard Puleston, Girija Dabke, Robert Howard, Julie O’Boyle, Mary O’Brien, Lauren Ahyow, Helene Denness, Siobhan Farmer, Jose Figureroa, Paul Fisher, Felix Greaves, Munib Haroon, Sophie Haroon, Caroline Hird, Rachel Isba, David A Ishola, Marko Kerac, Vivienne Parish, Jonathan Roberts, Julia Rosser, Sarah Theaker, Dean Wallace, Neil Wigglesworth, Liz Lingard, Yana Vinogradova, Hiroshi Horiuchi, Javier Penalver, and Jonathan S Nguyen-Van-Tam. Influenza vaccination for immunocompromised patients: summary of a systematic review and meta-analysis. *Influenza and Other Respiratory Viruses*, 7:72–75, 2013.

11. Charles R. Beck, Bruce C. McKenzie, Ahmed B. Hashim, Rebecca C. Harris, University of Nottingham Influenza and the ImmunoCompromised (UNIIC) Study Group, and Jonathan S. Nguyen-Van-Tam. Influenza vaccination for immunocompromised patients: systematic review and meta-analysis by etiology. *Journal of Infectious Diseases*, 206(8):1250–1259, 2012.
12. Gayle P. Dolan, Rebecca C. Harris, Mandy Clarkson, Rachel Sokal, Gemma Morgan, Mitsuru Mukaigawara, Hiroshi Horiuchi, Rachel Hale, Laura Stormont, Laura Bécharde-Evans, Yi-Sheng Chao, Sergey Eremin, Sara Martins, John S Tam, Javier Penalver, Arina Zanuzadana, and Jonathan S Nguyen-Van-Tam. Vaccination of health care workers to protect patients at increased risk for acute respiratory disease. *Emerging Infectious Diseases*, 18(8):1225–1234, 2012.
13. Charles R. Beck, Bruce C. McKenzie, Ahmed B. Hashim, Rebecca C. Harris, Arina Zanuzadana, Gabriel Agboado, Elizabeth Orton, Laura Bécharde-Evans, Gemma Morgan, Charlotte Stevenson, Rachel Weston, Mitsuru Mukaigawara, Joanne Enstone, Glenda Augustine, Mobasher Butt, Sophie Kim, Richard Puleston, Girija Dabke, Robert Howard, Julie O’Boyle, Mary O’Brien, Lauren Ahyow, Helene Denness, Siobhan Farmer, Jose Figureroa, Paul Fisher, Felix Greaves, Munib Haroon, Sophie Haroon, Caroline Hird, Rachel Isba, David A Ishola, Marko Kerac, Vivienne Parish, Jonathan Roberts, Julia Rosser, Sarah Theaker, Dean Wallace, Neil Wigglesworth, Liz Lingard, Yana Vinogradova, Hiroshi Horiuchi, Javier Penalver, and Jonathan S Nguyen-Van-Tam. Influenza vaccination for immunocompromised patients: systematic review and meta-analysis from a public health policy perspective. *PLoS ONE*, 6(12):e29249, 2011.

## Medicine: Clinical Case Reports and Case Series

1. Mitsuru Mukaigawara, Reza Manesh, Mitsuyo Kinjo, Shuichi Sugita, and Andrew P.J. Olson. A curve ball. *New England Journal of Medicine*, 383(10):970–975, 2020.
2. Kazuhito Hirata, Jun-ichi Shimotakahara, Izumi Nakayama, Mitsuru Mukaigawara, Minoru Wake, Toshiho Tengan, and Hidemitsu Mototake. Acute aortic dissection masquerading as acute pericarditis. *Internal Medicine*, 59(16):2009–2013, 2020.
3. Mitsuru Mukaigawara, Masashi Narita, Soichi Shiiki, Yoshihiro Takayama, Shunichi Takakura, and Tomokazu Kishaba. Clinical characteristics of disseminated strongyloidiasis, Japan, 1975–2017. *Emerging Infectious Diseases*, 26(3):401–408, 2020.
4. Hiroyuki Teruya, Mitsuru Mukaigawara, and Kazuhito Hirata. Progressive dyspnea in a woman with genital skin lesions. *JAMA Oncology*, 6(3):433–434, 2020.
5. Mitsuru Mukaigawara, Mitsuyo Kinjo, Andrew Olson, Yoshihiko Raita, and Vivek Murthy. Past is prologue. *Journal of Hospital Medicine*, 14(8):501–505, 2019.
6. Maiko Tomori, Mitsuru Mukaigawara, and Masashi Narita. Acute esophageal necrosis associated with *Strongyloides stercoralis* hyperinfection. *American Journal of Tropical Medicine and Hygiene*, 100(5):1037–1038, 2019.
7. Liane McAuliffe, Shannon Fortin Ensign, Derek Larson, Mary Bavaro, Joseph Yetto, Michael Cathey, Mitsuru Mukaigawara, Masashi Narita, Kiyofumi Ohkusu, and Timothy Quast. Severe CNS angiostrongyliasis in a young marine: a case report and literature review. *Lancet Infectious Diseases*, 19(4):e132–e142, 2019.
8. Mitsuru Mukaigawara and Shuichi Sugita. Fever, rash, and abnormal liver function test results. *JAMA*, 320(24):2591–2592, 2018.

9. Mitsuru Mukaigawara, Izumi Nakayama, and Koichiro Gibo. Strongyloidiasis and culture-negative suppurative meningitis, Japan, 1993–2015. *Emerging Infectious Diseases*, 24(12):2378–2380, 2018.
10. Mitsuru Mukaigawara, Kazuhito Hirata, and Minoru Wake. Diffusely elevated ST segments on electrocardiography. *JAMA Cardiology*, 1(2):229–230, 2016.

## Commentary

1. Ines Hassan, Genevie Fernandes, Mitsuru Mukaigawara, and Devi Sridhar. Lessons from covid-19 must be learned before the next outbreak. *Nature Medicine*, 29(9):2171–2173, 2023.
2. Mitsuru Mukaigawara, Ines Hassan, Genevie Fernandes, Lois King, Jay Patel, and Devi Sridhar. An equitable roadmap for ending the COVID-19 pandemic. *Nature Medicine*, 28(5):893–896, 2022.
3. Ines Hassan, Mitsuru Mukaigawara, Lois King, Genevie Fernandes, and Devi Sridhar. Hindsight is 2020? Lessons in global health governance one year into the pandemic. *Nature Medicine*, 27(3):396–400, 2021.
4. Mitsuru Mukaigawara. Going home, dying. *JAMA Internal Medicine*, 176(11):1603, 2016.

## Other Writing

### Policy Report

1. Haruka Sakamoto, Mitsuru Mukaigawara, Yasuharu Tokuda, Takanori Fujita, Haruyo Nakamura, and Kenji Shibuya. [What Japan should do as Chair of the G7 Hiroshima Summit](#). The Tokyo Foundation for Policy Research, May 2023.
2. Yuree Noh, Mitsuru Mukaigawara, and Sumaya Malas. [Economic and social impacts of the COVID-19 pandemic on the Middle East and North Africa](#). Middle East Initiative, Belfer Center for Science and International Affairs, Harvard Kennedy School, December 2022.

### Online Media

1. Mitsuru Mukaigawara. [Combating COVID-19 without sacrificing Sustainable Development Goals](#). *Think Global Health (Council on Foreign Relations)*, August 4, 2020.

## Publications in Japanese

(Books and Book Chapters)

### Book

1. Mitsuru Mukaigawara and Mitsuyo Kinjo. *Writing Case Reports*. Igaku Shoin, Tokyo, Japan, 2023.

### Book Chapters

1. Mitsuru Mukaigawara. Effective collaboration with external public health organizations. In Akane Futami and Koji Morishita, editors, *Pocket International Emergency Medicine Manual*, pages 103–105. Person Publishing, Tokyo, Japan, 2020.

2. Mitsuru Mukaigawara. Infection control procedures. In Akane Futami and Koji Morishita, editors, *Pocket International Emergency Medicine Manual*, pages 79–82. Person Publishing, Tokyo, Japan, 2020.
3. Mitsuru Mukaigawara. Outpatient care of patients with infectious diseases. In Akane Futami and Koji Morishita, editors, *Pocket International Emergency Medicine Manual*, pages 101–102. Person Publishing, Tokyo, Japan, 2020.
4. Mitsuru Mukaigawara. Pre-admission screening. In Akane Futami and Koji Morishita, editors, *Pocket International Emergency Medicine Manual*, pages 106–108. Person Publishing, Tokyo, Japan, 2020.
5. Mitsuru Mukaigawara. Routine and traveler vaccinations. In Akane Futami and Koji Morishita, editors, *Pocket International Emergency Medicine Manual*, pages 109–115. Person Publishing, Tokyo, Japan, 2020.

## Statistical Software

1. Mitsuru Mukaigawara, Georgia Papadogeorgou, Jason Lyall, and Kosuke Imai. [geocausal: Causal Inference with Spatio-temporal Data](#). (Maintainer and Author)

## Awards and Honors

### Fellowships and Scholarships

Douglas Dillon Fellowship, Harvard University Graduate School of Arts and Sciences	2022—
Katzin Prize Fellowship, University of California San Diego (declined)	2021
Graham T. Allison, Jr. Fellowship (Belfer Young Leader Fellowship), Harvard Kennedy School	2020
Fulbright Scholarship, Fulbright Foundation (declined)	2019
Ito Scholarship, Ito Foundation for International Education Exchange	2019
Presidential Scholar Fellowship (at Harvard Medical School), Tokyo Medical and Dental University	2012
Dean's Fellowship, College of Liberal Arts and Sciences, Tokyo Medical and Dental University	2008

### Awards

Robert Belfer Annual Award (for best thesis in international relations), Harvard Kennedy School	2021
Chief Resident Award, Okinawa Chubu Hospital	2018
Outstanding Resident Award, Okinawa Chubu Hospital	2015, 2016, 2017, 2018
Resident Research Award, Okinawa Medical Association	2015

## Selected Grants

### Harvard University

John C. Hansen & Katherine Vogelheim Research Fund, Harvard University, \$2,500	2023
Harvard Data Science Initiative Research Grant (with Gary King and Stefano Iacus), \$20,000	2023
Weatherhead Research Cluster on Identity Politics Research Grant, \$3,000	2023

### External

International Research Grant, Nakayama Foundation for Human Science, \$3,480	2017
International Research Grant, Okinawa Chubu and Miyako Hospitals	2016, 2017, 2018

## Research Experience

Research Fellow, The Tokyo Foundation for Policy Research	2022—
Visiting Scholar, Global Health Governance Program, University of Edinburgh	2017
Global Burden of Disease Expert, Institute for Health Metrics and Evaluation	2013—2015
Intern, Global Influenza Program, World Health Organization	2011
Research Assistant, WHO Center for Healthy Cities and Urban Policy	2008—2011

## Teaching

### Harvard University

GOV 2001: Quantitative Social Science Methods I (TF for Kosuke Imai)	Spring 2024
PhD-level political methodology course on causal inference	
GOV 2002: Quantitative Social Science Methods II (TF for Matthew Blackwell)	Fall 2023
PhD-level political methodology course on probability, inference, and regression	
GOVT P-16107: International Relations, Global Governance, and the UN (Instructor)	Summer 2022

## Presentations

### Invited Seminars

Tufts University	2023
The Tokyo Foundation for Policy Research	2022
Tokyo Medical and Dental University	2018, 2021

### Association Conferences

International Studies Association (ISA) Annual Convention	2022, 2024
Prince Mahidol Award Conference	2019
ID Week (Annual Meeting of the Infectious Disease Society of America)	2016
European Scientific Working Group on Influenza Conference	2011

### Department

Identity Politics Cluster, Weatherhead Center for International Affairs	2023
International Security Cluster, Weatherhead Center for International Affairs	2022
Political Violence Workshop, Weatherhead Center for International Affairs	2022
International Relations Research Workshop	2021, 2022, 2024

## Service

### Department

Political Violence Workshop Coordinator, Weatherhead Center for International Affairs	2022—2023
Chair, Diversity Committee, Graduate Student Association	2022—2023

## Referee Service

*Acta Tropica, American Journal of Tropical Medicine and Hygiene (x2), Annals of Internal Medicine (x3), BMJ Open, Journal of Global Health, Journal of Health Economics, Nature Medicine, World Development*

## Consultant Service

WHO Meeting on the Diagnostic Methods for the Control of Strongyloidiasis

2020

## Medical Employment

### Employment

Attending Physician (Medicine and Infectious Diseases), Okinawa Miyako Hospital

2018—2019

Chief Medical Resident, Okinawa Chubu Hospital

2017—2018

### Postgraduate Medical Education

Fellowship in Medicine and Infectious Diseases, Okinawa Chubu Hospital

2018

Internal Medicine Residency, Okinawa Chubu Hospital

2016

## Skills

### Programming/Software

R, Python, L<sup>A</sup>T<sub>E</sub>X, ArcGIS, HTML/CSS

### Languages

English, Japanese (native), French (intermediate)

### Certification

GOARN Tier 1.5 (Infection Prevention and Control), Global Outbreak Alert and Response Network

Certificate in Management, Leadership, and Decision Sciences, Harvard Kennedy School

Board Certification in Internal Medicine, Japanese Society of Internal Medicine

## Citizenship

Japanese; US permanent resident