

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

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## Education

### Harvard University

Ph.D., Government 2021—  
Douglas Dillon Fellow  
Hans J. Morgenthau Fellow, International Security Center, University of Notre Dame (2024—25)  
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  
Co-Recipient of Robert Belfer Annual Award for best master's thesis in international relations

### Tokyo Medical and Dental University (Institute of Science Tokyo)

M.D. 2013  
Visiting Medical Student, Harvard Medical School (2012)

## Peer-Reviewed Publications

### Political Science

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

### Medicine

1. [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](#)  
Shingo Fukuma, Mitsuru Mukaigawara, Toshiaki Iizuka, and Yusuke Tsugawa  
*BMJ Open*. 2022;12(7):e056996.
2. [Balancing science and political economy: Tobacco control and global health](#)  
Mitsuru Mukaigawara, Janelle Winters, Genevieve Fernandes, and Devi Sridhar  
*Wellcome Open Research*. 2018;3(40).

3. [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](#)  
GBD 2013 Risk Factors Collaborators  
*Lancet*. 2015;386(10010):2287–2323.
4. [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](#)  
GBD 2013 DALYs and HALE Collaborators  
*Lancet*. 2015;386(10009):2145–2191.
5. [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](#)  
GBD 2013 Collaborators  
*Lancet*. 2015;386(9995):743–800.
6. [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](#)  
GBD 2013 Mortality and Causes of Death Collaborators  
*Lancet*. 2015;385(9963):117–171.
7. [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](#)  
GBD 2013 Collaborators  
*Lancet*. 2014;384(9947):1005–1070.
8. [Global, regional, and national levels and causes of maternal mortality during 1990–2013: A systematic analysis for the Global Burden of Disease Study 2013](#)  
GBD 2013 Collaborators  
*Lancet*. 2014;384(9947):980–1004.
9. [Vaccination of healthcare workers to protect patients at increased risk of acute respiratory disease: Summary of a systematic review](#)  
Gayle Dolan, Rebecca 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  
*Influenza and Other Respiratory Viruses*. 2013;7:93–96.
10. [Influenza vaccination for immunocompromised patients: Summary of a systematic review and meta-analysis](#)  
Charles Beck, Bruce McKenzie, Ahmed Hashim, Rebecca 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 and Other Respiratory Viruses*. 2013;7:72–75.

11. [Influenza vaccination for immunocompromised patients: Systematic review and meta-analysis by etiology](#)  
Charles Beck, Bruce McKenzie, Ahmed Hashim, Rebecca Harris, UNIIC Study Group, and Jonathan Nguyen-Van-Tam  
*Journal of Infectious Diseases*. 2012;206(8):1250–1259.
12. [Vaccination of health care workers to protect patients at increased risk for acute respiratory disease](#)  
Gayle Dolan, Rebecca 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 Nguyen-Van-Tam  
*Emerging Infectious Diseases*. 2012;18(8):1225–1234.
13. [Influenza vaccination for immunocompromised patients: Systematic review and meta-analysis from a public health policy perspective](#)  
Charles Beck, Bruce McKenzie, Ahmed Hashim, Rebecca 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  
*PLoS ONE*. 2011;6(12):e29249.

## Medicine: Clinical Case Reports and Case Series

1. [Clinical problem-solving: A curve ball](#)  
Mitsuru Mukaigawara, Reza Manesh, Mitsuyo Kinjo, Shuichi Sugita, and Andrew P.J. Olson  
*New England Journal of Medicine*. 2020;383(10):970–975.
2. [Acute aortic dissection masquerading as acute pericarditis](#)  
Kazuhito Hirata, Jun-ichi Shimotakahara, Izumi Nakayama, Mitsuru Mukaigawara, Minoru Wake, Toshiho Tengan, and Hidemitsu Mototake  
*Internal Medicine*. 2020;59(16):2009–2013.
3. [Clinical characteristics of disseminated strongyloidiasis, Japan, 1975–2017](#)  
Mitsuru Mukaigawara, Masashi Narita, Soichi Shiiki, Yoshihiro Takayama, Shunichi Takakura, and Tomokazu Kishaba  
*Emerging Infectious Diseases*. 2020;26(3):401–408.
4. [Progressive dyspnea in a woman with genital skin lesions](#)  
Hiroyuki Teruya, Mitsuru Mukaigawara, and Kazuhito Hirata  
*JAMA Oncology*. 2020;6(3):433–434.
5. [Clinical care conundrum: Past is prologue](#)  
Mitsuru Mukaigawara, Mitsuyo Kinjo, Andrew Olson, Yoshihiko Raita, and Vivek Murthy  
*Journal of Hospital Medicine*. 2019;14(8):501–505.
6. [Acute esophageal necrosis associated with \*Strongyloides stercoralis\* hyperinfection](#)  
Maiko Tomori, Mitsuru Mukaigawara, and Masashi Narita  
*American Journal of Tropical Medicine and Hygiene*. 2019;100(5):1037–1038.

7. [Severe CNS angiostrongyliasis in a young marine: A case report and literature review](#)  
Liane McAuliffe, Shannon Ensign, Derek Larson, Mary Bavaro, Joseph Yetto, Michael Cathey, Mitsuru Mukaigawara, Masashi Narita, Kiyofumi Ohkusu, and Timothy Quast  
*Lancet Infectious Diseases*. 2019;19(4):e132–e142.
8. [Fever, rash, and abnormal liver function test results](#)  
Mitsuru Mukaigawara and Shuichi Sugita  
*JAMA*. 2018;320(24):2591–2592.
9. [Strongyloidiasis and culture-negative suppurative meningitis, Japan, 1993–2015](#)  
Mitsuru Mukaigawara, Izumi Nakayama, and Koichiro Gibo  
*Emerging Infectious Diseases*. 2018;24(12):2378–2380.
10. [Diffusely elevated ST segments on electrocardiography](#)  
Mitsuru Mukaigawara, Kazuhito Hirata, and Minoru Wake  
*JAMA Cardiology*. 2016;1(2):229–230.

## Commentary

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

## Working Papers

1. Spatiotemporal causal inference with arbitrary spillover and carryover effects  
Mitsuru Mukaigawara, Kosuke Imai, Jason Lyall, and Georgia Papadogeorgou
2. [geocausal: An R package for spatio-temporal causal inference](#)  
Mitsuru Mukaigawara, Lingxiao Zhou, Georgia Papadogeorgou, Jason Lyall, and Kosuke Imai

## 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. [geocausal: Causal inference with spatio-temporal data](#)  
Mitsuru Mukaigawara, Georgia Papadogeorgou, Jason Lyall, and Kosuke Imai  
(Maintainer and Author)

## Awards and Honors

### Fellowships and Scholarships

Hans J. Morgenthau Fellowship, International Security Center, University of Notre Dame	2024
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
Dean's Scholarship, Johns Hopkins University School of Advanced International Studies (declined)	2018
Tuition Scholarship, Georgetown University Edmund A. Walsh School of Foreign Service (declined)	2018
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

Weatherhead GSA Research Grant, Harvard University, \$2,480	2024
Weatherhead Pre-dissertation Grant, Harvard University, \$4,000	2024
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

The 50th Anniversary Grant, Toyota Foundation, \$13,557	2025
Grant for Groundbreaking Young Researchers, Suntory Foundation, \$6,700	2024
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—2025
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 1742: Psychology of International Relations (TF for Joshua Kertzer)	Spring 2025
GOV 1790: American Foreign Policy (TF for Joshua Kertzer)	Fall 2024
GOV 2001: Causal Inference with Applications (TF for Kosuke Imai)	Spring 2024
PhD-level political methodology course on causal inference	
GOV 2002: Probability Theory and Linear Models (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 Presentations

Suntory Foundation	2024
Independent Advisory Committee, Institute for Health Metrics and Evaluation	2024
The <i>Lancet</i> Commission on 21st-Century Global Threats to Health	2024, 2025
Tufts University	2023
The Tokyo Foundation for Policy Research	2022
Tokyo Medical and Dental University	2018, 2021

## Association Conferences

Society for Political Methodology Annual Summer Conference (PolMeth)	2025
International Studies Association (ISA) Annual Convention	2022, 2024
Prince Mahidol Award Conference	2019
Infectious Disease Society of America Annual Meeting (ID Week)	2016
European Scientific Working Group on Influenza Conference	2011

## Department

Weatherhead Center for International Affairs	2022, 2023, 2025
International Relations Research Workshop	2021, 2022, 2024, 2025

## Service

### Department

Graduate Student Representative, Curriculum and Educational Policy Committee	2024—
Political Violence Workshop Coordinator, Weatherhead Center for International Affairs	2022—2023
Peer Mentor	2022—

### 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

<a href="#">WHO Meeting on the Diagnostic Methods for the Control of Strongyloidiasis</a>	2020
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## 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 and Software

R, Python,  $\text{\LaTeX}$ , 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

Last updated: March 2025