

RESEARCH INTERESTS

SUBSTANTIVE: Demography; Population Forecasting; Population Health Metrics; Health Inequity
METHODS: Demographic Methods; Bayesian hierarchical modeling; small-area estimation; survey design/analysis; time-series forecasting

EDUCATION

PhD, Global Health – Health Metrics Sciences — University of Washington 2021–2026
Institute for Health Metrics and Evaluation (IHME) · Certificate in Demographic Methods
Dissertation: Estimation of Subnational Fertility, Mortality, and Migration Across Social and Geographic Dimensions: A Bayesian Approach Using Survey and Administrative Data

MS, Global Health and Population — Harvard University 2018–2020
Thesis: Inequities in mortality in Rio de Janeiro: social determinants and violence · Advisor: Professor Marcia Castro

BS in Nursing — University of Pennsylvania 2013–2018
Minor in Healthcare Management, Wharton School of Business

WORK IN PROGRESS

- Recent Global Improvements in the Representation of Women in Science have Stalled. (with Aliabaktar Akbaritabar, Ugofilippo Basellini, Emilio Zagheni) — submitted to Science Advances.
- Trends and heterogeneity in fertility by state/Union Territory, educational attainment and urban-rural residence in India, 1990–2020.
- Life expectancy at age 25 by state, educational attainment and race-ethnicity in the United States, 2000–2023.
- Uncovering racial-ethnic disparities of interstate migration in the United States in the 21st century.

PEER-REVIEWED PUBLICATIONS

2024 CORE AUTHOR
Global fertility in 204 countries and territories, 1950–2021 with forecasts to 2100: a comprehensive demographic analysis for the Global Burden of Disease Study 2021
GBD 2021 Fertility and Forecasting Collaborators. The Lancet. 403(10440). 2057–2099.

2024 CORE AUTHOR
Burden of disease scenarios for 204 countries and territories, 2022–2050: a forecasting analysis for the Global Burden of Disease Study 2021
GBD 2021 Forecasting Collaborators. The Lancet. 403(10440). 2204–2256.

2023
Pragmatic solutions to reduce the global burden of stroke: a World Stroke Organization–Lancet Neurology Commission
World Stroke Organization–Lancet Neurology Commission Stroke Collaboration Group. The Lancet Neurology. 22(12). 1160–1206.

2022
COVID-19 metrics across parliamentary constituencies and districts in India
Wang, W., Blossom, J.C., Kim, J.*, deSouza, P., Zhang, W., Kim, R., Sarwal, R., & Subramanian, S.V. Annals of GIS. 28(4). 435–444.

2021
Estimating the Burden of Child Undernutrition for Smaller Electoral Units in India
Kim, J.*, Liu, Y., Wang, W., Blossom, J.C., Dwivedi, L.K., James, K.S., Sarwal, R., Kim, R., & Subramanian, S.V. JAMA Network Open. 4(10). e2129416.

2021
Small area variation in child undernutrition across 640 districts and 543 parliamentary constituencies in India
Rajpal, S., Kim, J.*, Joe, W., Kim, R., & Subramanian, S.V. Scientific Reports. 11(4558).

2021
TB Notification Rates across Parliamentary Constituencies in India: A Step Towards Data-driven Political Engagement
Pardeshi, G., Wang, W., Kim, J.*, Blossom, J.C., Kim, R., & Subramanian, S.V. Tropical Medicine & International Health. 26(7). 730–742.

SCHOLARSHIPS, GRANTS AND AWARDS

AWARD	FUNDED BY	YEAR
Kwanjeong Scholarship	Kwanjeong Foundation	2021–2025
Young Summer Scientist Program Fellowship Grant	National Academy of Sciences	2024
Graduate and Professional Student Senate Travel Grant	University of Washington	2025
Population Association of America Annual Meeting Travel Award	Center for Studies in Demography and Ecology, UW	2024, 2025
South Asia Studies Student Grant	Henry M. Jackson School of International Studies, UW	2025
Tuition Award (merit-based scholarship)	Harvard School of Public Health, Dept. of Global Health and Population	2019–2020
Women and Public Policy Program Internship Grant	Harvard Kennedy School	2019

RELEVANT RESEARCH EXPERIENCE

Institute for Health Metrics and Evaluation — Seattle, WA	2021–2026
Future Health Scenarios and US Health Disparities team · with Stein Emil Vollset and Laura Dwyer-Lindgren	
International Institute for Applied Systems Analysis — Laxenburg, Austria	2024
Multidimensional Demographic Modeling Group, Population and Just Societies Program · with Guillaume Marois	
Young Scientists Summer Program (YSSP)	
Max Planck Institute for Demographic Research — Rostock, Germany	2023
Digital and Computational Demography Lab · with Emilio Zagheni	
MPIDR Summer Incubator Program	
Harvard Center for Population and Development Studies — Cambridge, MA	2019–2021
India Policy Insights Lab · with S.V. Subramanian and Rockli Kim	
Fundação Getúlio Vargas (Institute for Health Policy Research) — São Paulo, Brazil	2019
with Rudi Rocha	
Center for Health Incentives and Behavioral Economics — Philadelphia, PA	2017–2018
with Mitesh Patel	
United Nations Headquarters — New York, NY	2017
Medical Services Division	
KPMG Korea — Seoul, Korea	2016
Healthcare Business Consulting Team	

INVITED PRESENTATIONS

2025 BEST POSTER

Uncovering Racial Disparities of Interstate Migration in the United States in the 21st Century

Wittgenstein Centre Conference — Demographic Perspectives on Migration in the 21st Century

2025

Trends and Heterogeneity of Fertility in India, 1990–2020

Berkeley Formal Demography Workshop

2025

Trends and Heterogeneity of Fertility in India, 1990–2020

Population Association of America Annual Meeting

2024

Global Improvements in the Representation of Women in Science Have Stalled

Population Association of America Annual Meeting

Global Improvements in the Representation of Women in Science Have Stalled

European Population Conference

2024

Invited guest lecture, STAT/BIOST 111

University of Washington

TEACHING EXPERIENCE

COURSE	ROLE	TERM
SPH 480 — Research Methods in Public Health	Teaching Assistant	Winter 2026
EPI 514 — Applications of Epidemiologic Methods	Teaching Assistant	Spring 2024, Spring 2025
G H / HSERV 482 — Health of Populations	Teaching Assistant	Winter 2025
HMS 510 — Introduction to Health Metrics Sciences	Teaching Assistant	Fall 2023

PROFESSIONAL REFERENCES

Laura Dwyer-Lindgren

COMMITTEE CHAIR

Associate Professor, Department of Health Metrics Sciences, University of Washington

Austin Schumacher

COMMITTEE MEMBER

Assistant Professor, Department of Health Metrics Sciences, University of Washington

Emilio Zagheni

COMMITTEE MEMBER · FORMER SUPERVISOR

Managing Director, Max Planck Institute for Demographic Research

Sara Curran

GRADUATE SCHOOL REPRESENTATIVE

Director, Center for Studies in Demography and Ecology, University of Washington