

Anshul Kumar

Curriculum Vitae as of February 19 2021

Contact Information

Health Professions Education Program
Center for Interprofessional Studies and Innovation
MGH Institute of Health Professions
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Employment

MGH Institute of Health Professions

Assistant Professor

April 2019 – Present

Part-Time Lecturer

January 2019 – March 2019

Tufts University

Part-Time Lecturer, CH 1 – Introduction to Community Health

January 2019 – May 2019

Global Health Education and Learning Incubator, Harvard University and
Center for Health Decision Science, Harvard School of Public Health

Postdoctoral Research Fellow

February 2018 – March 2019

Education

Graduate School of Arts and Sciences, Harvard University

PhD in Sociology

May 2018

A.M. in Sociology

May 2014

College of Arts and Sciences, Cornell University

B.A. in Sociology, Economics

May 2009

Written Materials

Peer-reviewed publications

Jafri Farrukh N., et al. 2021. "The Addition of High-Technology Into the Stop the Bleed Program Among School Personnel Improves Short-Term Skill Application, Not Long-Term Retention." *Simulation in Healthcare: Journal of the Society for Simulation in Healthcare*. 16 Feb.

<https://doi.org/10.1097/sih.0000000000000546>.

Jafri Farrukh N., et al. 2020. "A Microdebriefing Crisis Resource Management Program for Simulated Pediatric Resuscitation in a Community Hospital: A Feasibility Study." *Simulation in Healthcare: Journal of the Society for Simulation in Healthcare*. 23 Aug. <http://doi.org/10.1097/sih.0000000000000480>.

Marks, Brynn E., et al. 2020. "Improving Pediatric Endocrinology Trainees' Knowledge about Insulin Pumps and Continuous Glucose Monitors with Online Spaced Education: Technology Knowledge Optimization in T1D (TeKnO T1D)." *Pediatric Diabetes* 21(5): 814-823.
<https://doi.org/10.1111/pedi.13010>.

Kumar, Anshul. 2019. "Cultures of learning in developing education systems: Government and NGO classrooms in India." *International Journal of Educational Research* 95: 76-89.
<https://doi.org/10.1016/j.ijer.2019.02.009>.

Teaching materials

Kumar, Anshul. 2021. *Responsible statistics in R for behavioral and health data (working title)*. Textbook used for course HE-902 at MGHIHP.
<https://bookdown.org/anshul302/HE902-MGHIHP-Spring2020/>.

Kumar, Anshul. 2021. *MGHIHP HE-802, Spring 2021*. Course book.
<https://bookdown.org/anshul302/HE802-MGHIHP-Spring2020/>.

Kumar, Anshul, et al. Equal first authorship. *Coronavirus Vaccine / कोरोनावाइरस वैक्सीन*. (COVID-19 vaccine information and resources for Indian audiences). <https://globalhealtheducation.github.io/>.

Unpublished research

Kumar, Anshul. 2018. *Innovating in Education: NGO Interventions in New Delhi Government Schools*. PhD Dissertation. Committee: Chris Winship, Orlando Patterson, Katherine Merseth.

Kumar, Anshul. 2013. "The organization and behavior of HIV-affected families in 18 African countries." (Graduate Qualifying paper).

Kumar, Anshul. 2009. "Food and Nutrition in Kabula – a Qualitative Examination in Western Kenya." Sociology Honors Thesis at Cornell University. Advisor: David Brown.

Selected Projects

COVID-19 Education and Community Health Worker Training in India
Principal investigator, with Claudia Rosu

March 2020 – Present

- Collaboration of 30-40 people from Sinchan Education & Rural Entrepreneurship Foundation, Lahanti Club community group, Universidad Anáhuac Mexico, Tufts University, Harvard University, MGHIHP.

- Delivery of COVID-19 educational lessons and evaluation instruments regarding COVID-19 basics, mask usage, hand hygiene, vaccine, nutrition myths/facts, and MIS-C.
- Mass General Brigham IRB protocols #2020P003752 (PI: Claudia Rosu) and #2020P003554 (PI: Anshul Kumar).

Application of Machine Learning Techniques to Physician Assistant Student Performance Data
Principal Investigator February 2020 – Present

- Analysis of previous student data to identify future students at risk of failing certification exams.
- Mass General Brigham IRB protocol #2020P000514.

Inequality in Water and Sanitation Conditions in DHS Countries July 2018 – Present
Principal Investigator

- Quantitative cross-country examination of factors influencing differential access to hygienic drinking water and toilets, using data from Demographic and Health Surveys.

Water and Sanitation in Gulu, Uganda July 2018 – Present
Advisor to organization Water and Health for All

- Advise organization on processing, analysis, and interpretation of survey data related to water quality in Gulu, Uganda.

Pre-Texts for India May 2018 – May 2019
Principal Investigator, with Polly Lauer and Jahnavi Singh

- Conducting one-year controlled pilot to bring Pre-Texts teaching methodology to a network of schools in Coimbatore, Tamil Nadu, India, with specific focus on literacy, math, and health.
- Funded by a \$5,000 seed grant from the Lakshmi Mittal and Family South Asia Institute.
- Supervised by Professor Doris Sommer.

Teaching

Courses taught as instructor

- Advanced Statistical Modeling for Health Professions Education (HE902), MGH IHP, Spring 2020 & 2021
- Advanced Quantitative Methods and Measurement (HE802), MGH IHP, Spring 2019-2021
- Statistics/Predictive Analytics for Health Professions Education (HE930), MGH IHP, Summer 2020
- Introduction to Community Health (CH1), Tufts University, Spring 2019

Courses taught as teaching assistant

Harvard University

- Fundamental Concepts of Public Health (GHP556) with Suerie Moon and Julio Frenk; summer 2015

- Global Health Challenges: Complexities of Evidence-Based Policy (SW24) with Professor Sue Goldie; spring 2014
- Life and Death in the USA (SOC190) with Professor Nicholas Christakis; spring 2012, spring 2013
- The American Family (SOC107) with Professor Marty Whyte; fall 2011, fall 2012, fall 2013

Additional Skills and Training

Data and Computer Skills

- Proficient in data analysis and manipulation in R, Python, Stata, Google Drive API.
- Statistical demography training from National Science Foundation Research Experience for Undergraduates Program in Minority Group Social Demography; Population Research Center, University of Texas, Austin. Summer 2008.
- Relevant coursework: Advanced Quantitative Research Methods (with Chris Winship), Social Network Analysis (Peter Marsden), Computational Methods for Complex Networks (Gueorgi Kossinets), Population Dynamics (David Brown).

Other selected graduate-level coursework: Charter Schools (with Katherine Merseth and Nelson Smith), Sociology of Development (Martin Whyte), Sociology of Families and Kinship (Martin Whyte).

Language abilities: Native English, intermediate Hindi and French.

Nationality: USA