

Vin Gupta, M.D., M.St, M. PA

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EDUCATION

- 2005 **Bachelor of Arts**
Princeton University, Princeton, NJ

- 2011 **Doctor of Medicine**
College of Physicians & Surgeons, Columbia University, New York, NY

- 2015 **Master in International Relations**
University of Cambridge, Cambridge, United Kingdom

- 2017 **Master in Public Administration, Concentration in Population Health**
John F. Kenney School of Government, Harvard University, Cambridge, MA

POSTGRADUATE TRAINING

- 2011-2014 **Clinical Internship in Internal Medicine**
University of Washington Medical Center, Seattle, WA

- 2012-2014 **Clinical Residency in Internal Medicine**
University of Washington Medical Center, Seattle, WA

- 2014-2017 **Clinical Fellowship in Pulmonary & Critical Care Medicine**
Brigham & Women's Hospital, Boston, MA

- 2015 **Commissioned Officer Training**
Dept. of the United States Air Force, Air University, Montgomery, AL

- 2017 **Program in Clinical Effectiveness and Data Analytics**
Harvard T.H. Chan School of Public Health, Boston, MA

FACULTY ACADEMIC APPOINTMENTS

- 2015-2018 **Director for Global Health Diplomacy & Security**
Harvard Global Health Institute, Cambridge, MA

- 2017-2018 **Instructor of Medicine**
Harvard Medical School, Cambridge, MA

- 2017- **Adjunct Lecturer in International Development**
Massachusetts Institute of Technology, Cambridge, MA

- 2018- **Affiliate Instructor**
Division of Global Health Equity, Brigham & Women's Hospital, Boston, MA

- 2018- **Assistant Professor of Medicine**
Division of Pulmonary & Critical Care Medicine, University of Washington, Seattle, WA

- 2018- **Assistant Professor of Health Metrics Science and Global Health**

Institute for Health Metrics and Evaluation, University of Washington, Seattle, WA

OTHER PROFESSIONAL APPOINTMENTS

- 2012- **Major (O-4) and Critical Care Air Transport Aerospace Physician**
United States Air Force Reserves Medical Corps, Worldwide Locations

- 2018- **Non-Resident Fellow**
Center for Global Development, Washington, D.C.

- 2018- **Term Member**
Council on Foreign Relations, New York, NY

- 2018- **Consultant, Clinical Specialist**
Apple, Incorporated, Cupertino, California

HOSPITAL/AFFILIATED INSTITUTIONAL APPOINTMENTS

- 2014-2018 **Medical Intensive Care Nocturnist**
Brigham & Women's Faulkner Hospital, Boston, MA

- 2014-2018 **Medical & Surgical Intensive Care Nocturnist**
Mount Auburn Hospital, Cambridge, MA

- 2017-2018 **Associate Physician in Pulmonary & Critical Care Medicine**
Brigham & Women's Hospital, Boston, MA

- 2018-** **Tele-Intensive Care Physician**
University of Washington and Swedish Medical Center, Seattle, WA

HONORS

- 2003 Harold T. Shapiro Presidential Prize for Academic Excellence: Given to the top academic percentile of class from Princeton through first two years of study

- 2009 Arnold P. Gold Foundation Fellowship: \$2,500 research prize utilized to study non-communicable disease burden in Northeast China

- 2009 Fullbright Grant: \$50,000 stipend to study non-communicable disease burden in Northeast China

- 2010 New York Presbyterian Paul H. Douglas Infectious Disease: \$8000 research grant to study seasonal influenza vaccination policy in Southeast Asia

- 2010 Columbia University Lattes Fellowship: \$6,000 stipend to study seasonal influenza vaccination policy in Southeast Asia

- 2012 Medical Teamwork, Leadership and Caring Award: Awarded by the senior administration of the University of Washington Medical Center

- 2013 Rotary International Global Grant: Scholarship (\$30,000 value) recipient to study at the University of Cambridge

- 2015 Harvard Medicine Fellowship Teaching Award: Awarded by medicine residents to a clinical fellow for compassion and dedication to teaching

- 2015 Distinguished Graduate Honors, Commissioned Officer Training School, US Air Force
- 2016 Dean's Meritorious Fellowship, Harvard Kennedy School: \$30,000 scholarship
- 2017 40 Under 40 National Leaders in Minority Health: Recipient of distinction conferred by the United States Congressional Black Caucus and the American Medical Association

BOARD CERTIFICATION

- 2016 Diplomate, American Board of Internal Medicine
- 2017 Certification in Aerospace Critical Care Medicine
United States Air Force
- 2017 Diplomate, American Board of Internal Medicine, Pulmonary Disease
- 2018 Diplomate, American Board of Internal Medicine, Critical Care Medicine

LICENSURE

- 2011-2014 Washington State Medical License, renewed 09/2019
- 2014 Board of Registration in Medicine
Commonwealth of Massachusetts, expires: 03/07/2019

PROFESSIONAL ORGANIZATIONS

- 2014-2018 **Massachusetts Medical Society**
House Delegate
Waltham, MA
 - Voting member of the MMS on health policy statements that are then distributed to the state legislature for adoption
- 2014- **American College of Physicians**
Member
Philadelphia, PA
 - Participant in continuing education programs nationally to maintain relevant credentialing in Pulmonary & Critical Care
- 2014- **American Thoracic Society**
Member of Assemblies on Environmental and Occupational Health
Washington, D.C.
 - Working to build continuing education programs on climate change and lung health for pulmonary physicians globally
- 2018- **International Union for Tuberculosis and Lung Diseases**
Member of the Adult and Child Lung Health section
Paris, France
- 2018- **Global Health Council**
Member, Non-Communicable Disease Roundtable
Washington, D.C.

TEACHING RESPONSIBILITIES

HARVARD COURSES:

2015 **Bedside Critical Care Ultrasound Techniques for the Internist**
Harvard Medical School, eight 2 hour lectures

NON-HARVARD COURSES:

2017 **Water, Sanitation, Hygiene and Environmental Innovations for the Common Good**
MIT, three 1.5 hour lectures

2017 **International Development/EC.789 Water, Climate Change and Health**
MIT, three 1.5 hour lectures

ADVISORY AND SUPERVISORY ROLES:

2011-2014 **Internal Medicine Resident, University of Washington**
Provide clinical teaching and supervision of medical students and clinical interns on medical wards for 48 weeks annually.

2014-2017 **Clinical Fellow, Brigham & Women's Hospital**
Provide clinical teaching and supervision of medical students and residents on the pulmonary consult service and in various intensive care units at Harvard-affiliated hospitals for 40 weeks annually.

2015- **Lead Critical Care Air Transport Physician, US Air Force Reserves**
Designed a continuing education critical care curriculum focused on clinical practice guidelines for the UW Air Force ICU aerospace program. During monthly reservist training weekends, teach a group of 20 flight physicians and nurses these relevant protocols.

2017-2018 **Attending Physician, Brigham & Women's Hospital**
Provide clinical supervision and mentoring of medical students, residents, and clinical fellows on the pulmonary consult service and in medical and neurologic intensive care units for 10 weeks annually. Responsibilities also include giving daily teaching lectures on selected topics.

2018- **Attending Physician, University of Washington Affiliated Hospitals**
Provide clinical supervision and mentoring of medical students, residents, and clinical fellows in the medical and cardiac intensive care units in the management of critically ill patients.

EDITORIAL RESPONSIBILITIES

2017- Assistant Editor
BMC Public Health

2018- Ad hoc Reviewer
Lancet Global Health

2019- Ad hoc Reviewer
BMJ Global Health

SPECIAL NATIONAL & INTERNATIONAL RESPONSIBILITIES

2019-

WORLD HEALTH ORGANIZATION

Consultant, Digital Health Department

In coordination with Chief Scientist, Dr. Soumya Swaminathan, and Chief Information Officer, Mr. Bernardo Mariano, helping to found the WHO's Digital Health Department. Currently focused on developing a global strategy to provide guidance to member states on the appropriate uptake and implementation of digital health interventions within their respective health systems.

2018-

UNITED STATES AIR FORCE

Worldwide Locations

Director of Curriculum on Critical Care, African Partnership Rapid Response Program

- Appointed as the head of critical care programs for the APRRP, which is a program funded by the US Department of State and housed within the Department of Defense's Center for Global Health Engagement. Through this program, tasked to assist in the training of partner militaries in Rwanda and Ghana to build up relevant capacity in response to future health emergencies.

2018-

NORTHWEST HARVEST

Seattle, WA

Board of Directors

Elected to the organization's overseeing board, assisting with oversight of logistics, management, and quality of services while providing overarching input on strategic vision. Northwest Harvest serves an outsized role across the region in combating food insecurity among vulnerable populations

2018-2019

WORLD BANK GROUP

Washington, D.C.

Consultant, Pandemic Emergency Financing (PEF) Facility

- Serve as the primary public health consultant for the World Bank's PEF, which is a rapid disbursing financing mechanism that provides funds to enable a quick and effective response to large-scale disease outbreaks. As a consultant, assist with strategy on how to delegate funds to crises regions to better strengthen health systems facing ongoing outbreaks.

2015 - 2018

GREATER BOSTON FOOD BANK

Boston, MA

Board of Advisors and founding member of the Food Insecurity task force

- Led the effort to establish the first mobile food market for vulnerable populations at risk for food insecurity in Allston, MA (please see Health Affairs article notated above for further details). These markets are geared to get healthy produce and food staples to those families in Eastern Massachusetts that struggle to obtain one meal per day.

2014 – 2018

CHARLES RIVER COMMUNITY HEALTH CENTER

Allston, MA

Board of Directors and Chair of the Quality Control Subcommittee

- Health center serves as a safety-net provider for a chronically underserved and largely uninsured immigrant population located in the Allston/Brighton neighborhood of Boston
- As a board member, my efforts have focused on fundraising, improving quality care metrics, and initiating community outreach programs such as the recurring mobile food markets described above

2014 – 2018

BOSTON HEALTHCARE FOR THE HOMELESS PROGRAM

Boston, MA

Co-Founder, Night Clinic for Homeless Veterans in Eastern Massachusetts

- Provide basic medical and mental health services weekly to US Armed Forces Veterans that are homeless and living at the New England Center for Homeless Veterans

RESEARCH FUNDING

CURRENT

2017

Sponsor: Bloomberg Philanthropies
Foundation Sponsored Grant
Title: Bloomberg Initiative to Reduce Tobacco Use
Total Costs: \$1.7 million
Role: Co-Primary Investigator

2018

Sponsor: Marion and Jasper Whiting Foundation
Foundation Sponsored Grant
Title: Adapting to the Health Effects of Climate Change in the South Pacific
Total Costs: \$20,000
Role: Primary Investigator

PENDING: None

PAST: None

BIBLIOGRAPHY

A. Publications in Refereed Journals

1. **Gupta V**, Mokdad A, Bollyky T, Glassman A, Daschle T. Leveraging climate change to improve global tobacco control. *The Lancet* 2019; June 1, 2182-2183. PMID: 31162068.
2. **Gupta, V**, Katz R, Swaminathan S. Reimagining Development Assistance for Health. *The New England Journal of Medicine* 2018; September 26, 1-3. PMID: 30256712.*
3. **Gupta, V**, Kraemer JD, Katz R, Jha AK, Kerry VB, Sane J, Ollgren J, Salminen MO. Analysis of results from the Joint External Evaluation: Examining its strength and assessing for trends among participating countries. *Journal of Global Health* 2018; 8:020416 (9).*
4. **Gupta V**, Tsai AC, Mason-Sharma A, Goosby EP, Jha AK, Kerry VB. Have geopolitics influenced decisions on American health foreign assistance efforts during the Obama presidency. *Journal of Global Health* 2018; 8:010417 (10). PMID: 29740500.*
5. **Gupta V**, Mason-Sharma A, Lyon ZM, Orav EJ, Jha AK, Kerry VB. Has development assistance for health facilitated the rise of more peaceful societies in sub-Saharan Africa? *Glob Public Health* 2018; Mar 13; 1-11. PMID: 29532733.
6. **Gupta, V**, Kerry VB. Globally inclusive investments in health: benefits at home and abroad. *BMJ* 2017; 356:j1004. PMID: 28246085.
7. **Gupta V**, Mason-Sharma A, Caty SN, Kerry V. Adapting global health aid in the face of climate change. *Lancet Global Health* 2017. Feb; 5(2): e133-e134. PMID: 28104175.
8. **Gupta V**, Sugg N, Butners M, White GA, Molnar A. Tuberculosis among the homeless: Preventing another outbreak through community action. *The New England Journal of Medicine* 2015; 372:1483-1485. PMID: 25875254.*

9. **Gupta V**, Kerry VB, Goosby E, Yates R. The post-2015 global health agenda: Politics and the promotion of universal health coverage in the Global South. *The New England Journal of Medicine* 2015; 373:1189-1192. PMID: 26376044.*
 10. **Gupta V**, Dhillon R, Yates R. Financing universal health coverage by cutting fossil fuel subsidies. *The Lancet Global Health* 2015; Jun;3(6):e306-7. PMID: 26001572.
 11. **Gupta V**, Dhillon R, Yates R. Most lower-middle income countries lack significant capacity in renewable energy. *The Lancet Global Health* 2015. Nov; 3(11):e675. PMID: 26475011.
 12. An Y, Yi S, Fitzpatrick AL, **Gupta V**, Raingsey PP, Oum S, Logerfo JP. Appropriate Body Mass Index and Waist Circumference Cutoff for Overweight and Central Obesity among Adults in Cambodia. *PLoS One* 2013; 8(10). PMID: 24205019.
 13. **Gupta V**, LoGerfo JP, Raingsey PP, Fitzpatrick AL. The prevalence and associated factors for prehypertension and hypertension in Cambodia. *Heart Asia* 2013; 5: 253-258. PMID: 27326148.
 14. **Gupta V**, Han Nguyen TN, Xeuatvongsa, A, Sovann L, Yoocharoen P, Olveda R, Cutter J, Oo K, Ratih TSD, Olsen SJ. Influenza vaccination guidelines and vaccine sales in southeast Asia: 2008-2011. *PLoS One* 2012; 7(12). PMID: 23285200.
 15. **Gupta V**, Perez-Perez G, Dorsey G, Rosenthal PJ, Blaser MJ. The seroprevalence of *Helicobacter pylori* and its relationship to malaria in Uganda. *Trans R Soc Trop Med Hyg* 2012; 106 (1). PMID: 22018600.
 16. **Gupta V**, Gu K, Chen Z, Lu W, Shu XO, Zheng Y. Concordance of self-reported and medical chart information on cancer diagnosis and treatment. *BMC Med Res Methodol* 2011; 11 (1). PMID: 21592352.
 17. **Gupta V**, Dorsey G, Hubbard AE, Rosenthal PJ, Greenhouse B. Gel versus capillary electrophoresis genotyping for categorizing treatment outcomes in two antimalarial trials in Uganda. *Malaria Journal* 2010, 9:19. PMID: 20074380.
- B. Pending Publication
1. GBD 2017 Human Resources for Health Collaborators. Measuring the availability of human resources for health and its relationship to universal health coverage: estimates for 195 countries and territories from 1990 to 2017.
 2. Hullah E, Wiens K, Shirude S, Morgan J, Bertozzi-Villa A, Farag TH, Fullman NH, Kraemer M, Miller- Petrie MK, Rabinowitz P, **Gupta V**, Reiner RC, Wasserheit JN, Bell BP, Hay SI, Weiss DJ, Pigott DM. Travel time to health facilities in areas of outbreak potential: maps for guiding local preparedness and response.
 3. Irvine, C, Pigott DM, **Gupta V**. Strategically investing in human resources for health to bolster pandemic preparedness.
 4. Hsiao T, Reitsma MB, Anderson JA, Arian N, Feldman RG, Gakidou E, **Gupta V**. Reexamining rates of decline in lung cancer risk after smoking cessation: a meta-analysis.

5. GBD 2017 Chronic Respiratory Disease Collaborators. The prevalence and attributable health burden of chronic respiratory diseases from 1990-2017: a systematic analysis from the Global Burden of Disease Study 2017

OTHER

INVITED PRESENTATIONS

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| 2009 | Optimizing the Detection of Drug-Resistant Malaria in East Africa
Doris Duke International Research Conference
Bethesda, MD |
| 2010 | The cost-effectiveness of various colorectal cancer techniques in Shanghai Province
Asia-Pacific Conference on Non-Communicable Diseases
Istanbul, Turkey |
| 2013 | Cambodia's Growing Epidemic of Non-Communicable Diseases
Chief of Medicine Conference
Harborview Medical Center, Seattle, WA |
| 2014 | Treating Latent Tuberculosis among Seattle's Homeless
Chief of Medicine Conference
Harborview Medical Center, Seattle, WA |
| 2015 | Strategic Health Diplomacy: Health Aid and Soft Power
Cambridge Rotary Club
Cambridge, England |
| 2016 | Health Aid as Soft Power: A Sustainable Way Forward for American Foreign Policy
Keynote Address, Rotary International District Conference
Chatham, Ontario, Canada |
| 2016 | Achieving the Health-Related Sustainable Development Goals (SDGs)
2 nd meeting of Global Health Policy Think Tanks and Academic Institutions on the SDGs
Rio de Janeiro, Brazil |
| 2017 | Global Health Security Engagement
Bundeswehr Command and Staff College (CSC)
Hamburg, Germany |
| 2018 | Mexico's Progress in Tobacco Control
Bloomberg Philanthropies Partners Meeting
Mexico City, Mexico |
| 2018 | The State of Global Tobacco Control
Union's 49 th Annual Conference on Lung Health
The Hague, Netherlands |
| 2018 | Post-Astana: Achieving Universal Health Care
Center for Global Development
Washington, D.C. |
| 2018 | Global Disease Burden from Tobacco and Alcohol
World Health Organization Executive Session
Geneva, Switzerland |