

## Format for the Curriculum Vitae

**Date Prepared:** April, 2016  
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### Education

2001	BA <i>cum laude</i>	Politics	Pomona College, Claremont, CA
2005	MPH	International Health	Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
2006	MD	Medicine	University of California, San Francisco School of Medicine, San Francisco, CA

### Postdoctoral Training

05/06-06/10	Resident	Emergency Medicine	Brigham and Women's Hospital (BWH) and Massachusetts General Hospital (MGH) Harvard Affiliated Emergency Medicine Residency (HAEMR) Boston, MA
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06/09-06/10 Chief Resident Emergency Medicine BWH/MGH, HAEMR

**Faculty Academic Appointments**



8/15 - Assistant Professor Emergency Medicine Stanford University Medical School

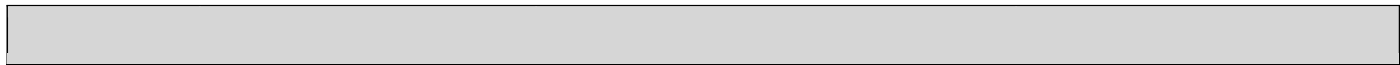
1/15 – 8/15 Assistant Professor Surgery Stanford University Medical School

10/14 – 1/15 Assistant Professor Emergency Medicine Harvard Medical School (HMS)

03/14 – 1/15 Assistant Professor Medicine HMS

07/10 – 3/14 Instructor Medicine HMS

**Appointments at Hospitals/Affiliated Institutions**



**Past**

7/10 – 1/15 Associate Physician Emergency Medicine BWH



**Current**

1/15 – Associate Physician Emergency Medicine Stanford University Medical Center

6/10 - Associate Faculty Harvard Humanitarian Initiative (HHI)

**Major Administrative Leadership Positions**

**Local**

2010 -	Founder and Director, Urbanization and Crises Program	HHI
2012-2015	Liaison to Department of Neurology	Department of Emergency Medicine, BWH
2013-2015	Director of Informatics	Department of Emergency Medicine, BWH
2015 -	Liaison to Frequent Visitor Program	Division of Emergency Medicine, Stanford University Medical Center

### **International**

2010-2011	Chair, Humanitarian Access Working Group	2011 Humanitarian Action Summit, HHI
2011	Chair, Radcliffe Exploratory Seminar, Urbanization and Climate Change: Crossroads of a Disaster	Radcliffe Institute for Advanced Study, Cambridge, MA
2011 - 2013	Co-Chair, Online Working Group on Climate Change: Human Mobility and Vulnerability	Brookings Institute, Washington DC

### **Committee Service**

#### **Local**

2007-2009	Journal Club Committee	HAEMR Member
2008-2009	Residency Report Committee	HAEMR

2012-2013	2013 Humanitarian Action Summit Planning Committee	HHI, University Center for the Environment (HUCE) Cambridge, MA
2012 – 2013	Admissions Committee	HAEMR
2013 – 2015	Clinical Operations Group	Dept. of Emergency Medicine, BWH
2013 – 2015	BWH EDIS Committee	Dept. of Emergency Medicine, BWH
2013 – 2015	BWH ED Obs Workgroup	Dept. of Emergency Medicine, BWH
2014 – 2015	BWH PeC Hardware Workgroup	Dept. of Emergency Medicine, BWH

**International**

2014 -	World Humanitarian Summit Urban Expert Group	United Nations Member
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**Professional Societies**

2006-2010	Emergency Medicine Residents' Association	Member
2006 -	Society for Academic Emergency Medicine	Member
2010 -	International Society for Urban Health	Member
2011 - 2014	American Academy of Emergency Medicine	Member

**Grant Review Activities**

2013	Global Health Equity Scholars Fellowship, The Fogarty Global Health Program for Fellows and Scholars program Fellow Selection	UC, Berkeley
2013		<i>Ad hoc</i> Member

2014	Global Health Equity Scholars Fellowship, The Fogarty Global Health Program for Fellows and Scholars program Fellow Selection	UC, Berkeley
	2014	<i>Ad hoc Member</i>
2015	Global Health Equity Scholars Fellowship, The Fogarty Global Health Program for Fellows and Scholars program Fellow Selection	UC, Berkeley
	2015	<i>Ad hoc Member</i>

**Editorial Activities**

**Ad hoc Reviewer**



PLOS medicine  
 American Journal of Disaster Medicine  
 Cities  
 Journal of Emergency Medicine  
 International Journal of Health Geographics  
 Perspectives in Public Health  
 Disaster Medicine and Public Health Preparedness  
 PLOS Disasters

**Honors and Prizes**

2007	Invited and funded to a weeklong workshop of experts to define research agenda for the Rockefeller Foundation Global Urban Summit, Innovations for an Urban World.	Rockefeller Foundation	
2010	Awarded a fully funded course on International Humanitarian Law in Naivasha, Kenya	International Committee of the Red Cross (ICRC)	Awarded to leaders in the humanitarian field for work on emerging urban humanitarian issues

2012	Exemplary Attending Award	Nursing Staff, Department of Emergency Medicine, Brigham and Women's Hospital	Awarded to an attending each year that exemplifies the ideals of teamwork and communication for good patient care
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**Report of Funded and Unfunded Projects**

**Funding Information**

**Past**

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2001      Evaluating the Sustainability of Swami Vivekananda Youth Movement (SVYM) Health Activities.

Travel and Research Grant: University of California, San Francisco School of Medicine  
PI (\$3,000)

Evaluated the sustainability of a health and development non-governmental organization (NGO), the SVYM according to international and local standards.

2005      Developing an Intervention to Reduce Neonatal Mortality in Urban Slums of Dhaka.

Research Grant: University of California, San Francisco School of Medicine  
PI (\$3,000)

Designed a study to reduce the neonatal mortality rate in selected urban slums of Dhaka, Bangladesh, by adapting a rural model for the International Center for Diarrheal Diseases Research (ICDDR,B).

2010      Developing a Research Agenda for an Urban Slum in Mumbai, India.

Research Grant: Department of Emergency Medicine, Brigham and Women's Hospital  
Investigator (\$2,500)

Performed exploratory research to propose and design research studies for Kaula Bandar slum in Mumbai, India.

- 2010-2012    The Physical and Social Determinants of Health of Urban Slum Populations.  
 Rockefeller Grant  
 Co-Investigator (\$761,000)  
 A multifaceted research study on the physical and social determinants of health in disadvantaged urban settings in Mumbai, India, and to identify replicable solutions for improving health among urban populations. My project is specifically measuring the financial burden of waterborne illness to households in this community and the costs for providing clean water and sanitation upfront.
- 2011            Rapid Urbanization and Climate Change: Crossroads of a Disaster, Seminar  
 Seminar Grant: Radcliffe Institute for Advanced Study  
 Director (\$15,000)  
 Developed and led seminar to address how climate change will affect rapidly urbanizing populations and increase the risk for humanitarian crises.
- 2012-2013    (Re)Mapping Health: Interdisciplinary Workshop on Innovative Methods for Representing Spatial Data  
 Harvard University President's January Innovation Fund for Faculty  
 Primary Faculty (\$6,900)  
 An interdisciplinary two-week workshop for January of 2013 based at the Harvard Graduate School of Design to teach participants how to visually represent health and environmental data for innovative analysis.
- 2012-2014    Understanding Urban Refugee Integration: Towards a Instrument to Measure Integration  
 Emergency Medicine Departmental Seed Grant  
 PI (\$10,000)  
 This project is a qualitative effort to understand the factors that underlie urban refugee integration in Nairobi, Kenya, to develop an instrument to measure this integration and a larger proposal to validate the instrument.
- 2014            Enhancing Indicator of Crisis in Urban Slums – Research for Health in Humanitarian Crises (R2HC) Seed Grant  
 PI (\$10,000)

Awarded seed grant to develop full proposal for study investigating the indicators of urban crisis in Nairobi, Addis Ababa and Mogadishu.

2014-2015 Investigating Social Cohesion and Resilience in Urban Haiti

Catholic Relief Services

PI (\$27,000)

Develop a research methodology and instruments to investigate the factors that impact successful disaster risk reduction and resilience in two urban informal settlements of Haiti and the role that social cohesion plays in the success of the program.

**Current**



2014 Innovating Disaster Microinsurance for Local Market Recovery

Humanitarian Innovation Fund Grant

PI (\$231,551)

Provide and evaluate the effectiveness of disaster microinsurance for small and micro-enterprises in three cities of India to determine the programs impact on local market recovery and risk reduction.

2015 Systematic Review of Identification Practices in Urban Humanitarian Response

Oxfam Humanitarian Evidence Program

PI (\$46,173)

Lead a team of researchers to conduct an evidence synthesis on identification practices in urban humanitarian response including, but not limited to, profiling tools, mapping approaches and technologies, needs assessment strategies (for individuals or communities), and documentation instruments



2015 Resilience and the Fragile City, United Nations University and the World Bank

The World Bank / United Nations University

Lead Investigator for Resilience (\$71,596)

Lead an accurate analysis of resilience in disaster and violence prone cities and identify feasible options to reduce fragility and enhance the resilience of urban populations most at risk to multiple and interlocking crises. To that end, this project will document how cumulative risks can exacerbate vulnerability in cities, making them fragile; outline capacities and assets that can be harnessed to mitigate these risks; and describe how practical and targeted investments in protective factors by donors and governments can help diminish these risks and reverse fragility. The end product will be a decision support tool for municipal authorities.

**Current Unfunded Projects**


2013- The Burden of Mental Illness in Urban Slums.  
PI

This project is an effort to measure the baseline rates of depression and anxiety in the urban slums of Ahmedabad, India and the associated disability it causes.

2013- Developing Indicators for Urban Emergency Early Warning  
PI

This project, in cooperation with Concern Worldwide, is a quantitative effort to understand current standards of living in urban slums in Nairobi, Kenya and compare them to indicators for urban emergencies to develop new early warning indicators contextualized to urban slums.


**Report of Local Teaching and Training**

**Teaching of Students in Courses**

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2007	Medical Student Simulation Program: 2 <sup>nd</sup> year medical students	Harvard Medical School 4 hour simulation session and lecture
2009	Introduction to the Profession 1 <sup>st</sup> year medical students	Harvard Medical School 2 hour simulation session and lecture
2010	Emergency Airway Approach 3 <sup>rd</sup> year medical students	Emergency Medicine Clerkship 3 hour simulation session and lecture
2010	Emergency Medicine Clerkship 4 <sup>th</sup> year medical students	Harvard Medical School 2 hour lecture and hands-on practice
2011	Introduction to Clinical Medicine 2 <sup>nd</sup> year medical students	Harvard Medical School Twice weekly sessions, spring semester
2012	Introduction to Clinical Medicine 2 <sup>nd</sup> year medical students	Harvard Medical School Twice weekly sessions, spring semester
2012	Endocrinology: Diabetic Keto-Acidosis and Non-Ketotic Hyperosmolar Hyperglycemic Syndrome (DKA/NKHHS) 2 <sup>nd</sup> year medical students	Harvard Medical School
2013	(Re)Mapping Health: Interdisciplinary Workshop on Innovative Methods for Representing Spatial Data Graduate students from the Harvard School of Public Health and Graduate School of Design	Harvard Graduate School of Design 10 days of 7 hours of instruction each
2013	Introduction to Clinical Medicine 2 <sup>nd</sup> year medical students	Harvard Medical School Twice weekly sessions, spring semester
2013	GHP 215: Foundations in Humanitarian Studies and Human Rights Masters students at HSPH	Harvard School of Public Health One 2 hour lecture
2013	Urban Humanitarian Emergencies Course Professionals and students in the humanitarian field Masters students at HSPH	Harvard Humanitarian Academy 3 days of 8 hours teaching
2014	Introduction to Clinical Medicine	Harvard Medical School

	2 <sup>nd</sup> year medical students	Twice weekly sessions, spring semester
2014	Humanitarian Studies Initiative	Harvard School of Public Health One 3 hour lecture
	Graduate students from across Harvard campuses and Tufts University	
2014	Urban Humanitarian Emergencies Course	Harvard Humanitarian Academy 3 days of 8 hours teaching
	Professionals and students in the humanitarian field	
	Masters students at HSPH	

**Formal Teaching of Residents, Clinical Fellows and Research Fellows (post-docs)**

2007	Follow-up Conference: Abdominal Compartment Syndrome	BWH 20 minute case presentation and lecture
	Emergency medicine residents	
2007-2008	ACLS: Advanced Cardiac Life Support	BWH Stratus Simulation Center
	BWH hospital interns	Two 4 hour ACLS lectures and simulations
2008	Follow-up Conference: Malaria	MGH
	Emergency medicine residents	20 minute case presentation and lecture
2009	Procedures in Pediatric Emergency Airway	BWH Stratus Simulation Center
	Children's Hospital of Boston faculty and fellows	4 hour hands on procedures training
2009	Lecture: Cardiac Infection	BWH
	Emergency medicine residents	1 hour lecture
2009	MGH Morbidity and Mortality Rounds	Massachusetts General Hospital (MGH)
	Emergency medicine residents and faculty	1 hour lecture
2010	Lecture: Diarrhea	MGH
	Emergency medicine residents	1 hour lecture
2010	MGH Morbidity and Mortality Rounds	MGH
	Emergency medicine residents and faculty	1 hour lecture

2010	BWH Trauma Conference Emergency medicine residents and faculty	BWH 1 hour lecture
2010	Oncology: Palliative and End of Life Care, Stratus Simulation Center Emergency medicine residents	BWH Stratus Simulation Center 3 hours of simulation session
2011	Airway Boot camp Emergency medicine residents	BWH Stratus Simulation Center 3 hours of simulation session
2011	Congestive Heart Failure Emergency medicine residents	BWH Stratus Simulation Center 3 hours of simulation session
2011	Toxicology: Electrocardiogram (EKG) findings Emergency medicine residents	BWH 1 hour lecture
2011	Ear, Nose and Throat (ENT): Mediastinitis Emergency medicine residents	BWH Stratus Simulation Center 3 hours of simulation session
2011	Resident Report: Cover Letters Emergency medicine residents	BWH 1 hour lecture
2011	Calculating Sample Size, Resident Research Colloquium Emergency medicine residents	BWH 1 hour lecture
2012	Resident Report: Interesting Cases Emergency medicine residents	BWH 1 hour lecture
2012	Resident Assessment – Resuscitation Emergency medicine residents	BWH Stratus Simulation Center 3 hours of simulation session
2012	Resident Assessment: Airway Emergency medicine residents	BWH Stratus Simulation Center 3 hours of simulation session
2012	Congestive Heart Failure Emergency medicine residents	BWH Stratus Simulation Center 3 hours of simulation session
2012	Cardiac Dysrhythmias Emergency medicine residents	BWH Stratus Simulation Center 3 hours of simulation session
2012	Disaster Triage and Management	BWH Stratus Simulation Center

	Emergency medicine residents	3 hours of simulation session
2012	Emergent Psychiatric Evaluation	BWH Stratus Simulation Center
	Emergency medicine residents	3 hours of simulation session
2013	EM Mock Boards	MGH
	Emergency Medicine residents	3 hours of mock oral boards administration
2013	Resident Report: Cover Letters	BWH
	Emergency medicine residents	1 hour lecture
2013	Disaster Triage and Management	BWH Stratus Simulation Center
	Emergency medicine residents	3 hours of simulation session
2013	Emergent Psychiatric Evaluation	BWH Stratus Simulation Center
	Emergency medicine residents	3 hours of simulation session
2014	Resident Report: Job Search Process	BWH
	Emergency medicine residents	1 hour lecture



**Clinical Supervisory and Training Responsibilities**



2010-	Resident Supervisor / HAEMR, BWH	1,196 hours per year
2010-	Harvard and Visiting Medical Student Supervisor / Emergency Medicine Clinical Clerkship / HMS and BWH	216 hours per year

**Laboratory and Other Research Supervisory and Training Responsibilities**

2010-2012	Mentored 2 graduate students and an undergraduate on a research project / Tufts Fletcher School of Government and Tufts University, Somerville, MA	Once monthly.
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2011	Mentored a graduate student through creation of a research database / Columbia School of Public Health, New York, NY	One monthly session for one year.
2011-2012	Mentored a graduate student through thesis and literature review / Tufts Fletcher School of Government	Quarterly meetings.
2011-2012	Mentored a graduate student through senior project / Harvard Graduate School of Design, Cambridge, MA	Quarterly meetings.
2011-2012	Mentored a graduate student through thesis and academic paper / Tufts University, Somerville, MA	Quarterly meetings.
2012 -2013	Mentored and supervised an intern / Centre College, Kentucky, Danville, KY	Daily for three months.
2012 -	Mentoring a emergency medicine resident through literature review and paper / Northwestern Emergency Medicine Residency, Philadelphia, PA	Once monthly.
2012 - 2014	Advising a graduate student thesis / Harvard Graduate School of Design	Quarterly.
2013- 2014	Mentoring a public health student through a project on mapping health in Nairobi / Harvard School of Public Health, Boston (HSPH), MA	Quarterly meetings.
2013-2014	Mentoring a graduate student through a publication on the legal aspects of refugee integration / Tufts Fletcher School of Government	Quarterly meetings.

**Formally Supervised Trainees and Faculty**


2010-2013 Hani Stoklosa, MD / Emergency Medicine Resident, HAEMR

Developed research project in Mumbai, India through to publication of findings now published in British Medical Journal (BMJ) Open.

- 2010-2012 Bernard Chang, MD, PhD / Instructor, Columbia School of Medicine. Dept. of Emergency Medicine, Columbia Presbyterian Hospital, New York, NY
- Working on measuring burden of mental illness and related disability in urban slums of Ahmedabad and the associated disability.
- 2010-2014 Shada Rouhani, MD / Clinical Instructor in Medicine, Harvard Medical School. Dept. of Emergency Medicine, BWH
- Developing a project on clinical care for resuscitation in low-resource settings and working on data regarding care-seeking behavior in urban slums for child health. Published 2 papers and currently working on a brief report.
- 2011-2014 Emily Aaronson, MD / Emergency Medicine Resident, HAEMR
- Developing a project on urban refugee healthcare and mentoring on international health projects.
- 2011-2015 Laura Janneck, MD / Emergency Medicine Resident, HAEMR
- Published two papers from urbanization working group meetings at the 2011 Humanitarian Action Summit on adapting the Sphere Handbook standards for urban areas and preparing 2 papers on current practice in urban disasters and report from Radcliffe seminar
- 2011-2012 Tim Tan, MD / Instructor, Columbia School of Medicine. Dept. of Emergency Medicine, Columbia Presbyterian Hospital. New York, NY
- Developed project on evaluating sanitation intervention in urban slums of Mumbai, India, currently in data collection phase.
- 2011-2014 Patricia Henwood, MD / Ultrasound fellow, Harvard Medical School. Dept. of Emergency Medicine, BWH
- Advisor on project implementing ultrasound program for hospitals in Rwanda and designing parallel research projects. Preparing 2 manuscripts on needs assessments for global medical education and ultrasound training.

- 2011-2015 Ann Rodgers, MD / Emergency Medicine Resident, HAEMR  
International health mentee. Quarterly meetings to discuss career in global health and mentoring through research projects.
- 2011- David Beversluis, MD / Emergency Medicine Resident, HAEMR  
Advisor on a project and paper on indicators of urban refugee integration in Nairobi, Kenya now in submission; Developing an instrument to measure this integration.
- 2012-2015 Michael Billington, MD / Emergency Medicine Resident, HAEMR  
Clinical advisee. 1 session shadowing resident during shift, 1 simulation session and quarterly meetings to discuss clinical training and progression.
- 2012-2015 Jason Ahn, MD / Emergency Medicine Resident, HAEMR  
International health mentee. Quarterly meetings to discuss career in global health and mentoring through research projects.
- 2012-2015 Michelle Higgins, Physician Assistant (PA) / Dept. of Emergency Medicine, BWH  
Review clinical performance on quarterly basis, provide feedback and help develop clinical skills and knowledge base.
- 2013-2014 Shawn D'Andrea, MD / International Health Fellow, Harvard Medical School. Dept. of Emergency Medicine, BWH  
Developing a project on evaluating medical system response to urban violence in Honduras. Co-authoring 2 papers on the subject. Career advising.
- 2013-2014 Usha Periyannayagam, MD / International Health Fellow, Harvard Medical School. Dept. of Emergency Medicine, BWH  
Mentoring through research projects and career advising.
- 2013- Daniel Dworkis, MD PhD / Emergency Medicine Resident, HAEMR  
International health mentee. Mentoring through several papers on urban slum health and vulnerability. Monthly meetings.
- 2014- Erica Nelson, MD / Emergency Medicine Resident, HAEMR  
International health mentee. Mentoring through several papers on urban slum health and vulnerability. Monthly meetings.



- 2014-2015 Daniel Silvestri, MD MBA / Emergency Medicine Resident, HAEMR  
International health mentee. Mentoring through research on emergency medicine development in East Africa as well as career advice. Quarterly meetings.
- 2013-2015 Shaw Natsui, MD / Emergency Medicine Resident, HAEMR  
International health mentee. Quarterly meetings to discuss career in global health and mentoring through research projects.
- 2015 Jami King, MHS / Fellow, Harvard School of Public Health  
Supervising research assistant on Oxfam humanitarian evidence program systematic review of identification practices in urban settings.

### **Local Invited Presentations**

*No presentations below were sponsored by outside entities.*

- 2010 HHI Monthly Seminar: Introduction to the Urbanization Program, Projects and Goals  
HHI  
  
Cambridge, MA
- 2011 How to Do an International Health Project During Residency / International EM Interest  
Group, HAEMR  
Department of Emergency Medicine, MGH  
  
Boston, MA
- 2013 Urban Humanitarian Emergencies. Humanitarian Response Intensive Course, Humanitarian  
Studies Initiative  
Harvard School of Public Health (HSPH)  
  
Boston, MA
- 2013 A Research Career and Agenda in Urban Health / International EM Interest Group,  
HAEMR  
Department of Emergency Medicine, BWH  
  
Boston, MA

- 2013      Coming Humanitarian Challenges  
GHP 215 Foundations in Humanitarian Studies and Human Rights.  
HSPH  
  
Boston, MA
- 2014      Urban Humanitarian Emergencies. Humanitarian Response Intensive Course, Humanitarian  
Studies Initiative  
Harvard School of Public Health (HSPH)  
  
Boston, MA
- 2014      Disaster Microinsurance for Local Market Resilience  
Design for Urban Disasters Conference, Harvard Graduate School of Design  
  
Cambridge, MA

**Report of Regional, National and International Invited Teaching and Presentations**

*No presentations below were sponsored by outside entities.*

**Invited Presentations and Courses**

**Regional**



- 2013      Urbanization and Health: Emerging Issues and Environmental Challenges / Warren Alpert  
Medical School of Brown University  
  
Providence, RI

**National**



- 2012      Health Consequences of Rural to Urban Migration / National Conference on Security and  
the Environment, National Council for Science and the Environment  
  
Washington, DC
- 2012      Rapid Urbanization: Vulnerabilities and Strengths / Rutgers University Colloquium on  
Global Affairs

Newark, NJ

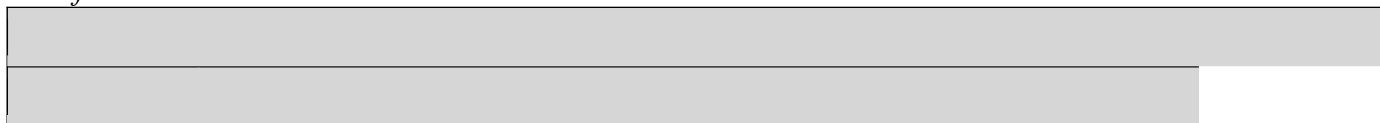
- 2012 Rapid Urbanization and Crises: Emerging Humanitarian Issues / UC Berkeley Seminar on Health Equity  
Berkeley, California
- 2012 Urban Health Equity Research / Lecture in Health Cities Course in Department of City and Regional Planning, UC Berkeley  
Berkeley, California
- 2013 Emerging Issues in Urban Humanitarian Crises / Temple Emergency Action Corps (TEAC) Symposium Keynote Address  
Philadelphia, Pennsylvania
- 2014 Priorities for Urban Health and Resilience / Consortium of Universities for Global Health  
Washington, DC
- 2015 Combating Mental Health Stigma in Asia/ the Harvard Project for Asian and International Relations (HPAIR) Conference 2015  
Cambridge, MA
- 2015 Humanitarian Implications of Climate Change  
Harvard Medical School Climate Week  
Boston, MA
- 2015 Civilian-Military Relations in Urban Crisis: New Frontiers  
Student Workshop on Civil-Military Operations, United States Military Academy, West Point  
West Point, NY
- 2015 Urban Crises: From Relief to Recovery  
Urban Humanitarian Emergencies Course, Humanitarian Academy at Harvard  
Boston, MA
- 2015 Urban Crises: From Relief to Recovery  
Urban Humanitarian Emergencies Course, Humanitarian Academy at Harvard  
Boston, MA

- 2015 Urban Crises: Urban Assessments  
Urban Humanitarian Emergencies Course, Humanitarian Academy at Harvard  
Boston, MA
- 2015 Urban Crises: Area Based Programming  
Urban Humanitarian Emergencies Course, Humanitarian Academy at Harvard  
Boston, MA
- 2015 Urban Crises: Urban Health  
Urban Humanitarian Emergencies Course, Humanitarian Academy at Harvard  
Boston, MA
- 2015 Introduction to Urban Crises  
Health Emergencies in Large Populations (HELP) Course, International Committee of the Red Cross, US Pacific Command  
Honolulu, HI
- 2015 Urban Health  
Health Emergencies in Large Populations (HELP) Course, International Committee of the Red Cross, US Pacific Command  
Honolulu, HI
- 2015 Urban Violence  
Health Emergencies in Large Populations (HELP) Course, International Committee of the Red Cross, US Pacific Command  
Honolulu, HI
- 2015 Ebola in Urban Environments  
Health Emergencies in Large Populations (HELP) Course, International Committee of the Red Cross, US Pacific Command  
Honolulu, HI
- 2015 Cash and Markets in Urban Crises  
Health Emergencies in Large Populations (HELP) Course, International Committee of the Red Cross, US Pacific Command  
Honolulu, HI
- 2015 Area-Based Programming in Urban Crises  
Health Emergencies in Large Populations (HELP) Course, International Committee of the Red Cross, US Pacific Command  
Honolulu, HI

2016 Humanitarian Assistance and Disaster Response as Naval Strategy  
Maritime Strategy, EMC Chair Symposium 2016  
United States Naval War College  
  
Newport, RI

**International**

*Those presentations below sponsored by outside entities are so noted and the sponsor(s) is (are) identified.*



2007 Towards a 21<sup>st</sup> Century Urban Agenda / Rockefeller Foundation Global Urban Summit,  
Innovations for an Urban World. Report published from the meeting.  
  
Bellagio, Italy

2008 Introduction to Ultrasound - Bedside Ultrasound for Critical Care  
Wadia Hospital - Mumbai, India (WinFocus.org sponsor)O

2008 Aorta - Bedside Ultrasound for Critical Care  
Wadia Hospital - Mumbai, India (WinFocus.org sponsor)O

2008 Introduction to Ultrasound - Bedside Ultrasound for Critical Care  
Bombay Hospital – Mumbai, India (WinFocus.org sponsor)O

2008 Deep Vein Thrombosis (DVT) - Bedside Ultrasound for Critical Care  
Bombay Hospital - Mumbai, India (WinFocus.org sponsor)O

2008 Cardiac - Bedside Ultrasound for Critical Care  
Bombay Hospital - Mumbai, India (WinFocus.org sponsor)O

2008 Aorta - Bedside Ultrasound for Critical Care

Bombay Hospital – Mumbai, India (WinFocus.org sponsor)

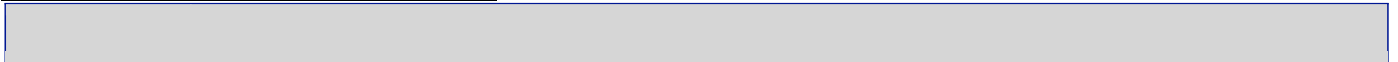
- 2010 Improved Health Outcomes in Urban Slums Through Infrastructure Upgrades with Public Private Partnerships / 9<sup>th</sup> International Conference on Urban Health, International Society of Urban Health (Chosen from abstract)  
New York, NY
- 2011 Urbanization and Humanitarian Emergencies: Challenges and Advantages to Program Design in Complex Urban Landscapes (International attendees from humanitarian aid and UN agencies)/ 2011 Humanitarian Action Summit  
Cambridge, MA
- 2011 Urbanization and Humanitarian Emergencies: Assessing Sphere Standards in Urban Areas / 10<sup>th</sup> International Conference on Urban Health, International Society for Urban Health (Chosen from abstract)  
Belo Horizonte, Brazil
- 2012 Humanitarian Responses in urban contexts / United Nations Economics and Social Council high level panel for the humanitarian affairs segment at the request of the permanent representative of Mexico to the UN  
  
United Nations, New York, NY
- 2012 Acute on Chronic: The Challenge of Urban Refugees in a Complex Urban Environment / World Urban Forum 6: The Urban Future.  
  
Naples, Italy
- 2012 Dangerous Cities and the Militarization of Law Enforcement / Harvard Program on Humanitarian Policy and Conflict Research (HPCR) Live Webinar Series  
Cambridge, MA
- 2012 Human Security and Resilience: The case of Cali, Colombia / 2<sup>nd</sup> International Congress in Emergency Medicine, Asociacion Columbiana de Especialistas en Urgencias y Emergencias (ACEM) 2012  
  
Bogota, Columbia (ACEM sponsor)

- 2012      Research Methods and Practice in Urban Health  
Bogota, Columbia (ACEM sponsor)
- 2013      The Politics of Protection in Situations Other than War / Humanitarian Action in Situations  
Other than War (HASOW) International Conference: The Politics of Protection and the  
Future of Humanitarian Practices  
Rio de Janeiro, Brazil
- 2013      Engaging Violent Cities: Operational Challenges for Humanitarian Action in Urban Areas /  
Harvard Program on Humanitarian Policy and Conflict Research (HPCR) Live Webinar  
Series  
Cambridge, MA
- 2013      Humanitarianism in Urban Violence: A Human Security Lens / World Conference on  
Humanitarian Studies  
Istanbul, Turkey
- 2014      Determining Indicators of Slow Onset Crises for Vulnerable Urban Populations / World  
Urban Forum 7  
Medellin, Columbia
- 2014      Disaster Microinsurance: Equitable Risk Reduction for All / World Urban Forum 7  
Medellin, Columbia
- 2014      Urban Emergencies: Assessment and Prioritization / 2014 Disaster and Humanitarian  
Response Course, McGill University  
Montreal, Canada
- 2014      Urban Emergencies: Delivering Aid / 2014 Disaster and Humanitarian Response Course,  
McGill University  
Montreal, Canada
- 2014      Update: Indicator Development for the Surveillance of Urban Emergencies  
Urban Working Group, World Urban Summit, UN-Habitat  
Barcelona, Spain

- 2015      Video presentation: Evaluation of ‘Other Situations of Violence, Towards a New Paradigm of Operations for Medcins Sans Frontieres (MSF)’  
Workshop on other situations of violence, MSF Barzil Medical Unit  
  
Rio de Janeiro, Brazil
- 2015      Developing and Validating the Refugee Integration Scale in Nairobi, Kenya  
The Humanitarian Innovation Conference, 2016  
University of Oxford  
  
Oxford, UK
- 2016      Resilience in Fragile Cities  
Design Workshop: Resilience and the Fragile City  
United Nations University / World Bank  
  
London, United Kingdom
- 2016      Urban Violence, Fragility and Resilience  
Event: The nexus of urbanization violence and conflict, linking SDG 11 and SDG 16.  
Permanent Missions of Lebanon and Norway to the UN, City College of New York - CUNY, United Nations Development Program, UN-Habitat, and the International Rescue Committee (IRC)  
  
New York, USA

**Report of Clinical Activities and Innovations**

**Current Licensure and Certification**



- 2003-2008      USMLE Steps 1, 2 & 3
- 2006-            Advanced Trauma Life Support
- 2009-            Advanced Cardiac Life Support and Basic Life Support
- 2010-            Massachusetts Medical License
- 2010-            Federal DEA License
- 2011-            American Board of Emergency Medicine Certification

**Practice Activities**



7/10 – 12/14	Emergency Care	Emergency Medicine, BWH	1,196 hours per year (Full-time clinical commitment)
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## **Report of Education of Patients and Service to the Community**

### **Activities**

*No presentations below were sponsored by outside entities.*

2007	Boston City Homeless Census and Mapping / Volunteer
2008	Boston Marathon / Event physician
2010	Gillette Stadium / Event physician

## **Report of Scholarship**

### **Publications**

#### **Peer reviewed publications in print or other media**

#### Peer reviewed publications

1. Chen Q, **Patel R**, Sales A, Oji G, Kim J, Monreal AW, Brinton RD. Vasopressin-induced neurotrophism in cultured neurons of the cerebral cortex: dependency on calcium signaling and protein kinase C activity. *Neuroscience*. 2000;101(1):19-26.
2. Pham JC, **Patel R**, Millin MG, Kirsch TD, Chanmugam A. The effects of ambulance diversion: a comprehensive review. *Acad Emerg Med*. 2006 Nov;13(11):1220-7.
3. **Patel R**, Burke T. Urbanization: An Emerging Humanitarian Disaster. *N Engl J Med*. 2009 Aug 20;361(8):741-3.

4. Butala N, VanRooyen M, **Patel R**. Improved Health Outcomes in Urban Slums Through Infrastructure Upgrading. *Soc Sci Med*. 2010 Sep;71(5):935-40.
5. **Patel R**, Ahn R, Burke T. Human Trafficking: A Primer for Clinicians. *Western Journal of Emergency Medicine*. *West J Emerg Med*. 2010 Dec;11(5):402-4.
6. Chang B, Gitlin D, **Patel RB**. The Depressed and Suicidal Patient in the Emergency Department: Evidence Based Management and Treatment Strategies. *Emerg Med Pract*. 2011 Sep; 13(9):1-23.
7. Janneck L, **Patel RB\***, Rouhani SA, Burkle FM. Urbanization and Humanitarian Access Working Group: Proposed Guidelines for Humanitarian Standards and Operations in Urban Settings Prehospital and Disaster Medicine. 2011 Dec;26(6):464-9.
8. Rouhani SA, **Patel RB\***, Janneck L., Prasad A, Lapitan J, Burkle FM. Urbanization and Humanitarian Access Working Group: A Blueprint for the Development of Prevention and Preparedness Indicators for Urban Humanitarian Crises. *Prehospital and Disaster Medicine*. 2011 Dec;26(6):460-3.
9. **Patel RB**, Burkle FM. Rapid urbanization and the Growing Threat of Violence and Conflict: A 21<sup>st</sup> Century Crisis. *Prehospital and Disaster Medicine*. 2012 Mar-Apr;27(2):194-7.
10. **Patel RB**, Stoklosa H, Shitole S, Sawant K, Shitole T, Namarkar M, Subaraman R, Ridpath A, Patil-Deshmuk A. The High Cost of Diarrheal Illness in Urban Slum Households: A Cost Recovery Approach, A cohort study. *BMJ Open*. 2013 Apr 3;3(4).
11. **Patel RB**, Microfinance: Untapped Potential for Global Health. *J Health Care Poor Underserved*. 2014 Nov;25(4):1718-22.
12. Lajoie MR, D'Andrea S, Rodriguez C, Greenough G, **Patel R**. The Need for Data in the World's Most Violent Country. *Bulliten of the World Health Organization*. *Bull World Health Organ*. 2014 Oct 1;92(10):698
13. Deola C, **Patel RB**. Health outcomes of crisis driven urban displacement: A conceptual framework. *Disaster Health*. 2015 Feb 2(2): 92-96.
14. Beversluis D, Shoeller-Diaz D, Jadoon I, Anderson M, **Patel RB**. Developing and Validating the Refugee Integration Scale in Nairobi, Kenya. *Journal of Refugee Studies*, *Forthcoming 2016*
15. **Patel RB**, King J, Phelps L, Sanderson D. What are the practices to identify and prioritize vulnerable populations affected by urban humanitarian emergencies? A systematic review protocol of methods and specific tools used to target the most at-need individuals, households and/or communities in urban crises. *Oxfam Humanitarian Evidence Program*. *Forthcoming 2016*

*\*Shared co-first author with mentored trainee*

## **Non-peer reviewed scientific or medical publications/materials in print or other media**

Reviews, chapters, monographs and editorials

1. **Patel R.** Traumatic Retinal Detachment. In: Shah K, Egan D, Quaas J, eds. Essential Emergency Trauma. Philadelphia: Lippincott, Williams & Wilkins, 2010: 89-90.
2. **Patel R**, Burkle FM. Urban Health: A 21<sup>st</sup> Century Crisis in Health Exchange Magazine. Issue 7. 2011. Available at <http://healthexchangeneeds.com/2011/07/06/urban-health-2/>
3. Shoeller-Diaz D, Lopez V, Kelly I, **Patel R.** Hope in the Face of Displacement and Rapid Urbanization: A study on the factors that contribute to human security and resilience in Distrito de Aguablanca, Cali, Columbia. HHI Working Paper Series. September 2012. Available at: <http://hhi.harvard.edu/sites/default/files/publications/hopeanddisplacement.pdf>
4. Bhatt M., **Patel R.** Chapter 11: Using disaster insurance to build resilience – lessons from microenterprise in India. In: Urban Disaster Resilience: New Dimensions from International Practice in the Built Environment. New York. Routledge, 2016: 172-181.
5. **Patel R.**, Bhatt M. Innovating and testing small business disaster microinsurance for urban resilience. Humanitarian Exchange: Special feature, Humanitarian innovation. London, Humanitarian Practice Network, 2016. Available at: <http://odihpn.org/wp-content/uploads/2016/04/HE-66-Web-Final.pdf>
6. Bhatt M., Patel, R. Risk transfer insurance: investing in disaster risk reduction for urban resilience. In: Together We Stand. London. Tudor Rose, 2016: 121-124. Available at: <http://digital.tudor-rose.co.uk/together-we-stand/#>

## **Professional Educational Materials or Reports in Print or Other Media**

1. **Patel, RB.** Diabetic Keto-Acidosis. Stratus Simulation Teaching Case for use and distribution in Stratus Simulation Center Case Series for emergency medicine medical students and resident trainees, 2010.

## **Abstracts, Poster Presentations and Exhibits Presented at Professional Meetings**

1. **Patel R**, Stoklosa H, Shitole S, Shitole T, Sawant K, Nanarkar M, Subarraman R, Ridpath A, Patil-Deshmuk A. Diarrheal Episodes and Health Practices of Families in an Urban Slum in Mumbai: an Economic Analysis. 10<sup>th</sup> International Conference on Urban Health, Oct. 2011. Belo Horizonte, Brazil.
2. Shoeller-Diaz D, Lopez V, Kelly I, **Patel R.** Displaced Populations and Their

Resilience. Poster Session: Health Services, Program and Policy 2077.0 American Public Health Association Annual Meeting. San Francisco, CA, 2012.