

CURRICULUM VITAE  
ADAM C. LEVINE, MD, MPH, FACEP

The Warren Alpert Medical School of Brown University  
Department of Emergency Medicine  
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**EDUCATION**

***Undergraduate***

University of Southern California  
Aug 1996 to May 2000  
Bachelors of Arts (Creative Writing)

University of Southern California  
Aug 1996 to May 2000  
Bachelors of Science (Biomedical Engineering)

***Medical School***

University of California, San Francisco School of Medicine  
Aug 2000 to Dec 2004  
Doctor of Medicine

***Other Degrees***

University of California, Berkeley  
Aug 2003 to May 2004  
Master of Public Health (International Health)

Jamkhed International Institute for Training and Research  
May 2003 to Aug 2003  
Certificate in Community Based Health & Development

Harvard Humanitarian Studies Course  
May 2007 to May 2009  
Certificate in Humanitarian Studies and Field Practice

National Institutes of Health mHealth Training Institute  
Aug 2017  
Certificate in Mobile Health Research

United Nations Office for the Coordination of Humanitarian Affairs  
Dec 2016  
Certificate in Humanitarian Civilian-Military Coordination (UN-CMCoord)

**POSTGRADUATE TRAINING**

**Residency**

Brigham and Women's Hospital/Massachusetts General Hospital  
Harvard Affiliated Emergency Medicine Residency  
July 2005 to June 2009  
Emergency Medicine

## **POSTGRADUATE HONORS AND AWARDS**

2008	Maryanne Povinelli Humanism Award, BWH/MGH Harvard Affiliated Emergency Medicine Residency
2009	Golden Probe Award for Best Resident Ultrasonographer, BWH/MGH Harvard Affiliated Emergency Medicine Residency
2012	Humanitarian Service Award Society for Academic Emergency Medicine Global Emergency Medicine Academy
2012	Dean's Excellence in Teaching Award, Brown University Alpert Medical School
2012	Exemplary Service Award, Department of Emergency Medicine, Brown University
2013	Community Service Award, American Medical Association Young Physicians Section
2015	Rhode Islander of the Year, Rhode Island Monthly Magazine
2016	Nathan Davis International Award in Medicine, American Medical Association Foundation
2017	Global Health Impact Award, Department of Emergency Medicine, Brown University
2017	Outstanding Contribution to Global Emergency Medicine Research Award Society for Academic Emergency Medicine Global Emergency Medicine Academy
2019	Emergency Medicine Globalization and Advancement Award Society for Academic Emergency Medicine Global Emergency Medicine Academy
2019	Top 40 Under 40, Providence Business News
2019	4 Under 40 Award, Rhode Island Medical Society

## **PROFESSIONAL LICENSES AND CERTIFICATION**

2005	Advanced Cardiac Life Support
2005	Advanced Trauma Life Support
2006-	Full License, Massachusetts Board of Registration in Medicine
2008	Full License, Health Professions Council of South Africa
2009-	Full License, Rhode Island Board of Medical Licensure and Discipline
2010-2014	Full License, Rwanda Medical Council
2011-	Diplomate, American Board of Emergency Medicine
2012-	Fellow, American College of Emergency Physicians

## **ACADEMIC APPOINTMENTS**

2009-2016	Assistant Professor, Department of Emergency Medicine Brown University Alpert Medical School Providence, Rhode Island
2012-2018	Program Director, Global Emergency Medicine Fellowship Brown University Alpert Medical School Providence, Rhode Island
2016-	Associate Professor, Department of Emergency Medicine Brown University Alpert Medical School Providence, Rhode Island
2016-	Faculty Fellow Brown University Watson Institute for International and Public Affairs Providence, Rhode Island
2016-2019	Director, Humanitarian Innovation Initiative Brown University Watson Institute for International and Public Affairs

Providence, Rhode Island

- 2018- Director, Division of Global Emergency Medicine  
Brown University Department of Emergency Medicine  
Providence, Rhode Island
- 2018- Honorary Associate Professor in Emergency Medicine  
College of Medicine and Health Sciences, University of Rwanda  
Kigali, Rwanda
- 2019- Inaugural Director, Center for Human Rights and Humanitarian Studies  
Brown University Watson Institute for International and Public Affairs  
Providence, Rhode Island

### **HOSPITAL APPOINTMENTS**

- 2005-2009 Resident Physician  
Department of Emergency Medicine, Brigham and Women's Hospital  
Boston, Massachusetts
- 2005-2009 Resident Physician  
Department of Emergency Medicine, Massachusetts General Hospital  
Boston, Massachusetts
- 2009-2015 Staff Physician  
Department of Emergency Medicine, The Miriam Hospital  
Providence, Rhode Island
- 2009- Staff Physician  
Department of Emergency Medicine, Rhode Island Hospital  
Providence, Rhode Island
- 2010- Affiliate Faculty  
Lifespan Center for International Health Research  
Providence, Rhode Island
- 2011- Staff Physician  
Department of Emergency Medicine, Hasbro Children's Hospital  
Providence, Rhode Island

### **UNIVERSITY COMMITTEES**

- 1998-1999 Student Member, Board of Trustees  
University of Southern California
- 2005 Medical Student Representative, International Programs Advisory Committee  
University of California, San Francisco School of Medicine
- 2009- Faculty Member, Research Committee  
Department of Emergency Medicine  
Brown University Alpert Medical School
- 2015-2018 Faculty Member, Education Section  
Department of Emergency Medicine

Brown University Alpert Medical School

- 2015- Co-Chair, Displaced Scholars Response Committee  
Office of the Provost  
Brown University
- 2016 Search Committee for Vice Chair for Academic Affairs  
Department of Emergency Medicine  
Brown University Alpert Medical School
- 2019- Center for Global Health Committee  
Office of the Provost  
Brown University

### **CONSULTANT POSITIONS**

- 2009 Emergency Health Consultant  
Asian University for Women,  
Chittagong, Bangladesh
- 2017-2018 Consultant, Henry M. Jackson Foundation for the Advancement of Military Medicine  
Joint Mobile Emerging Disease Intervention Clinical Capability (JMEDICC) Project  
Fort Portal, Uganda
- 2018- Consultant, University of Utah  
Development of clinical decision tools for management of diarrhea of children in high and  
low resource settings (R01AI135114, PI: Leung)  
Salt Lake City, Utah

### **HUMANITARIAN POSITIONS**

- 2009-2012 Clinical Advisor for Emergency and Trauma Care  
Partners In Health - Rwanda  
Kigali, Rwanda
- 2010 Medical Coordinator, Harvard Humanitarian Initiative  
Disaster Recovery Center  
Fond Parisien, Haiti
- 2010 Emergency Medical Coordinator, International Medical Corps  
Hopital de l'Université d'Etat d'Haiti (HUEH)  
Port-au-Prince, Haiti
- 2011 Emergency Medical Coordinator, International Medical Corps  
Trauma Field Hospital  
Misurata, Libya
- 2012 Emergency Medical Coordinator, International Medical Corps  
Refugee Camp Clinic  
Juba, South Sudan
- 2014 Emergency Medical Coordinator, International Medical Corps  
Bong County Ebola Treatment Unit  
Bong County, Liberia

2016            Emergency Medical Coordinator, International Medical Corps  
Cholera Treatment Unit  
Les Anglais, Haiti

#### **OTHER POSITIONS**

1997            Field Manager, Clean Air Campaign  
California Public Interest Research Group  
Los Angeles, California

1998            Assistant Director, Honolulu Office  
United States Public Interest Research Group  
Honolulu, Hawaii

2000            Director, Health Care Without Harm Campaign  
Physicians for Social Responsibility, Los Angeles  
Los Angeles, California

2004            Frank C. Newman International Human Rights Intern  
Human Rights Advocates  
San Francisco, California

2005            Intern, Health Action in Crises Department  
World Health Organization  
Geneva, Switzerland

2006-2008     Co-Director of Monitoring and Evaluation, Maternal/Infant Health Initiative,  
Massachusetts General Hospital Center for Global Health  
Boston, Massachusetts

2016-           Member, Steering Committee, Ebola Data Platform  
Infectious Disease Data Observatory, Oxford University  
Oxford, United Kingdom

#### **EDITORIAL BOARDS**

2006-2019     Editor-in-Chief  
Global Emergency Medicine Literature Review  
Academic Emergency Medicine Journal

#### **PEER REVIEW**

2008-2010     International Journal of Emergency Medicine (IJEM)  
2009-2012     Disaster Medicine and Public Health Preparedness  
2011-           African Journal of Emergency Medicine  
2014-           Pediatrics  
2015-           Annals of Emergency Medicine  
2015-           PLOS One  
2015-           PLOS Neglected Tropical Diseases  
2016-           Bulletin of the World Health Organization  
2016-           Lancet Infectious Diseases  
2016-           The Lancet

## **GRANT REVIEW AND STUDY SECTIONS**

- 2010 External Reviewer, NIH Center for Scientific Review, External Peer Review Panel, Fogarty International Collaborative Trauma and Injury Research Training Program
- 2011 Study Section Member, NIH Center for Scientific Review, Special Emphasis Panel, Chronic, Non-Communicable Diseases and Disorders Across the Lifespan: Fogarty international Research Training Award (NCD-LIFESPAN)
- 2018- Member, Funding Committee  
Research for Health in Humanitarian Crises (R2HC)

## **PROFESSIONAL ORGANIZATIONS AND GOVERNMENT AGENCIES**

### **American Medical Association (AMA):**

- 2000- Member
- 2003-2004 Medical Student Section Delegate, AMA House of Delegates
- 2003-2004 Member, Governing Council, AMA Medical Student Section
- 2005-2006 Resident and Fellows Section Alternate Delegate, AMA House of Delegates
- 2005-2006 Member, Governing Council, AMA Resident and Fellows Section
- 2009-2011 Member, Advisory Committee to the AMA Board of Trustees on GLBT Issues
- 2011-2013 Chair, Advisory Committee to the AMA Board of Trustees on GLBT Issues

### **American Public Health Association (APHA):**

- 2003- Member

### **American College of Emergency Physicians (ACEP):**

- 2005- Member
- 2006-2009 ACEP Resident Delegate, AMA House of Delegates
- 2009-2013 ACEP Delegate, AMA Young Physicians Section
- 2010-2013 ACEP Alternate Delegate, AMA House of Delegates
- 2011- ACEP Lead Ambassador to Rwanda

### **Society for Academic Emergency Medicine (SAEM):**

- 2005 Member
- 2012-2015 Vice-President, Global Emergency Medicine Academy
- 2014-2015 Chair, International Emergency Medicine Fellowship Consortium

### **World Health Organization**

- 2016 Member, World Health Organization Guideline Development Group on Acute Supportive Care of Patients with Ebola Virus Disease in Resource Limited Settings
- 2018- Member, Steering Committee, PALM (Ebola Therapeutics) Randomized Controlled Trial

### **National Institutes of Health**

- 2017- Member, Collaborative for Enhancing Emergency Care Research in LMICs  
Center for Global Health Studies, NIH Fogarty International Center
- 2017- Member, Health Research in Humanitarian Crises Planning Committee  
Center for Global Health Studies, NIH Fogarty International Center

## **ORIGINAL PUBLICATIONS IN PEER REVIEWED JOURNALS**

1. **Levine AC**, Presser DZ, Rosborough S, Ghebreyesus TA, Davis MA. Understanding barriers to emergency care in low-income countries: view from the front line. *Prehosp Disaster Med.* 2007 Sep-Oct;22(5):467-70. PubMed PMID: 18087920.
2. **Levine AC**, Marsh RH, Nelson SW, Tyer-Viola L, Burke TF. Measuring access to emergency obstetric care in rural Zambia. *Int J Emerg Med.* 2008 Jun;1(2):113-9. doi: 10.1007/s12245-008-0032-4. Epub 2008 May 31. PubMed PMID: 19384661; PubMed Central PMCID: PMC2657244.
3. VanRooyen MJ, Leaning J, Johnson K, Hirschfeld K, Tuller D, **Levine AC**, Hefferman J. Employment of a livelihoods analysis to define genocide in the Darfur region of Sudan. *J Genocide Res* 2008; 10:343–358. doi: 10.1080/14623520802305727.
4. Baugh CW, **Levine AC**, Pallin DJ. Heart block and nonocclusive mesenteric ischemia. *Int J Emerg Med.* 2009 Sep;2(3):171-2. doi: 10.1007/s12245-009-0100-4. Epub 2009 Apr 29. PubMed PMID: 19404703; PubMed Central PMCID: PMC2760693.
5. Kasivisvanathan V, **Levine A**, Kasivisvanathan R, Brown DF, Nadel ES. Dyspnea and multiple pulmonary nodules. *J Emerg Med.* 2009 Oct;37(3):300-4. doi: 10.1016/j.jemermed.2009.07.030. Epub 2009 Aug 31. PubMed PMID: 19717265.
6. Marsh RH, **Levine AC**, Noble VE, Brown DF, Nadel ES. Blunt cardiac rupture. *J Emerg Med.* 2010 Sep;39(3):337-40. doi: 10.1016/j.jemermed.2010.03.020. Epub 2010 May 1. PubMed PMID: 20435425.
7. **Levine AC**, Shah SP, Umulisa I, Munyaneza RB, Dushimiyimana JM, Stegmann K, Musavuli J, Ngabitsinze P, Stulac S, Epino HM, Noble VE. Ultrasound assessment of severe dehydration in children with diarrhea and vomiting. *Acad Emerg Med.* 2010 Oct;17(10):1035-41. doi: 10.1111/j.1553-2712.2010.00830.x. PubMed PMID: 21040103.
8. Pringle K, Shah SP, Umulisa I, Mark Munyaneza RB, Dushimiyimana JM, Stegmann K, Musavuli J, Ngabitsinze P, Stulac S, **Levine AC**. Comparing the accuracy of the three popular clinical dehydration scales in children with diarrhea. *Int J Emerg Med.* 2011 Sep 9;4:58. doi: 10.1186/1865-1380-4-58. PubMed PMID: 21902838; PubMed Central PMCID: PMC3182880.
9. **Levine AC**, Shetty P. Managing a front-line field hospital in Libya: Description of case mix and lessons learned for future humanitarian emergencies. *African Journal of Emergency Medicine* 2012; 2(2): 49-52. doi: 10.1016/j.afjem.2012.01.005.
10. Burkle FM, Walls AE, Heck JP, Sorensen BS, Cranmer HH, Johnson K, **Levine AC**, Kayden S, Cahill B, VanRooyen MJ. Academic affiliated training centers in humanitarian health, Part I: program characteristics and professionalization preferences of centers in North America. *Prehosp Disaster Med.* 2013 Apr;28(2):155-62. doi: 10.1017/S1049023X12001690. Epub 2013 Jan 28. PubMed PMID: 23351967.
11. Modi P, Munyaneza RB, Goldberg E, Choy G, Shailam R, Sagar P, Westra SJ, Nyakubyara S, Gakwerere M, Wolfman V, Vinograd A, Moore M, **Levine AC**. Oxygen saturation can predict pediatric pneumonia in a resource-limited setting. *J Emerg Med.* 2013 Nov;45(5):752-60. doi: 10.1016/j.jemermed.2013.04.041. Epub 2013 Aug 9. PubMed PMID: 23937809.
12. **Levine AC**, Munyaneza RM, Glavis-Bloom J, Redditt V, Cockrell HC, Kalimba B, Kabemba V, Musavuli J, Gakwerere M, Umurungi JP, Shah SP, Drobac PC. Prediction of severe disease in children with diarrhea in a resource-limited setting. *PLoS One.* 2013 Dec 3;8(12):e82386. doi: 10.1371/journal.pone.0082386. eCollection 2013. PubMed PMID: 24349271; PubMed Central PMCID: PMC3857792.

13. Jacquet GA, Hansoti B, **Levine AC**, Martin IB. Career paths and practice patterns of global emergency medicine physicians: a cross-sectional survey. *J Emerg Med.* 2014 Sep;47(3):348-54. doi: 10.1016/j.jemermed.2014.01.029. Epub 2014 Mar 31. PubMed PMID: 24698508.
14. Jauregui J, Nelson D, Choo E, Stearns B, **Levine AC**, Liebmann O, Shah SP. External validation and comparison of three pediatric clinical dehydration scales. *PLoS One.* 2014 May 2;9(5):e95739. doi: 10.1371/journal.pone.0095739. eCollection 2014. PubMed PMID: 24788134; PubMed Central PMCID: PMC4008432.
15. Mugeni C\*, **Levine AC\***, Munyaneza RM, Mulindahabi E, Cockrell HC, Glavis-Bloom J, Nutt CT, Wagner CM, Gaju E, Rukundo A, Habimana JP, Karema C, Ngabo F, Binagwaho A. Nationwide implementation of integrated community case management of childhood illness in Rwanda. *Glob Health Sci Pract.* 2014 Aug 5;2(3):328-41. doi: 10.9745/GHSP-D-14-00080. eCollection 2014 Aug. PubMed PMID: 25276592; PubMed Central PMCID: PMC4168626. (\* indicates co-first authors)
16. Jauregui J, Nelson D, Choo E, Stearns B, **Levine AC**, Liebmann O, Shah SP. The BUDDY (Bedside Ultrasound to Detect Dehydration in Youth) study. *Crit Ultrasound J.* 2014 Sep 10;6(1):15. doi: 10.1186/s13089-014-0015-z. eCollection 2014. PubMed PMID: 25411590; PubMed Central PMCID: PMC4233328.
17. **Levine AC**, Shetty PP, Henwood PC, Sabeti P, Katz JT, Vaidya A. Interactive medical case. A Liberian health care worker with fever. *N Engl J Med.* 2015 Jan 29;372(5):e7. doi: 10.1056/NEJMimc1414101. PubMed PMID: 25629759.
18. **Levine AC**, Shetty PP, Burbach R, Cheemalapati S, Glavis-Bloom J, Wiskel T, Kesselly JK. Derivation and Internal Validation of the Ebola Prediction Score for Risk Stratification of Patients With Suspected Ebola Virus Disease. *Ann Emerg Med.* 2015 Sep;66(3):285-293.e1. doi: 10.1016/j.annemergmed.2015.03.011. Epub 2015 Apr 3. PubMed PMID: 25845607.
19. Modi P, Nasrin S, Hawes M, Glavis-Bloom J, Alam NH, Hossain MI, **Levine AC**. Mid-upper Arm Circumference Outperforms Weight-Based Measures of Nutritional Status in Children with Diarrhea. *J Nutr.* 2015 Jul;145(7):1582-7. doi: 10.3945/jn.114.209718. Epub 2015 May 13. PubMed PMID: 25972523; PubMed Central PMCID: PMC4478950.
20. Pringle K, Mackey JM, Modi P, Janeway H, Romero T, Meynard F, Perez H, Herrera R, Bendana M, Labora A, Ruskis J, Foggie J, Partridge R, **Levine AC**. A short trauma course for physicians in a resource-limited setting: Is low-cost simulation effective? *Injury.* 2015 Sep;46(9):1796-800. doi: 10.1016/j.injury.2015.05.021. Epub 2015 May 18. PubMed PMID: 26073743.
21. George N, **Levine AC**. Ocular Chlamydia Trachoma. *CJEM.* 2016 Sep;18(5):401. doi: 10.1017/cem.2015.74. Epub 2015 Jul 3. PubMed PMID: 26140694.
22. **Levine AC**, Glavis-Bloom J, Modi P, Nasrin S, Rege S, Chu C, Schmid CH, Alam NH. Empirically Derived Dehydration Scoring and Decision Tree Models for Children With Diarrhea: Assessment and Internal Validation in a Prospective Cohort Study in Dhaka, Bangladesh. *Glob Health Sci Pract.* 2015 Aug 18;3(3):405-18. doi: 10.9745/GHSP-D-15-00097. PubMed PMID: 26374802; PubMed Central PMCID: PMC4570015.
23. Modi P, Glavis-Bloom J, Nasrin S, Guy A, Chowa EP, Dvor N, Dworkis DA, Oh M, Silvestri DM, Strasberg S, Rege S, Noble VE, Alam NH, **Levine AC**. Accuracy of Inferior Vena Cava Ultrasound for Predicting Dehydration in Children with Acute Diarrhea in Resource-Limited Settings. *PLoS One.* 2016 Jan 14;11(1):e0146859. doi: 10.1371/journal.pone.0146859. eCollection 2016. PubMed PMID: 26766306; PubMed Central PMCID: PMC4713074.
24. **Levine AC**, Glavis-Bloom J, Modi P, Nasrin S, Atika B, Rege S, Robertson S, Schmid CH, Alam NH. External validation of the DHAKA score and comparison with the current IMCI algorithm for the



assessment of dehydration in children with diarrhoea: a prospective cohort study. *Lancet Glob Health*. 2016 Oct;4(10):e744-51. doi: 10.1016/S2214-109X(16)30150-4. Epub 2016 Aug 23. PubMed PMID: 27567350; PubMed Central PMCID: PMC5066390.

25. Steinhubl SR, Feye D, **Levine AC**, Conkright C, Wegerich SW, Conkright G. Validation of a portable, deployable system for continuous vital sign monitoring using a multiparametric wearable sensor and personalised analytics in an Ebola treatment centre. *BMJ Glob Health*. 2016 Jul 5;1(1):e000070. doi: 10.1136/bmjgh-2016-000070. eCollection 2016. PubMed PMID: 28588930; PubMed Central PMCID: PMC5321315.
26. Roshania R, Mallow M, Dunbar N, Mansary D, Shetty P, Lyon T, Pham K, Abad M, Shedd E, Tran AM, Cundy S, **Levine AC**. Successful Implementation of a Multicountry Clinical Surveillance and Data Collection System for Ebola Virus Disease in West Africa: Findings and Lessons Learned. *Glob Health Sci Pract*. 2016 Sep 29;4(3):394-409. doi: 10.9745/GHSP-D-16-00186. Print 2016 Sep 28. PubMed PMID: 27688716; PubMed Central PMCID: PMC5042696.
27. Kearney AS, Kabeja LM, George N, Karim N, Aluisio AR, Mutabazi Z, Uwitonze JE, Nyinawankusi JD, Byiringiro JC, **Levine AC**. Development of a trauma and emergency database in Kigali, Rwanda. *Afr J Emerg Med*. 2016 Dec;6(4):185-190. doi: 10.1016/j.afjem.2016.10.002. Epub 2016 Oct 28. PubMed PMID: 30456093; PubMed Central PMCID: PMC6234174.
28. Mbanjumucyo G, George N, Kearney A, Karim N, Aluisio AR, Mutabazi Z, Umuhire O, Enumah S, Scott JW, Uwitonze E, Nyinawankusi JD, Byiringiro JC, Kabagema I, Ntakiyiruta G, Jayaraman S, Riviello R, **Levine AC**. Epidemiology of injuries and outcomes among trauma patients receiving prehospital care at a tertiary teaching hospital in Kigali, Rwanda. *Afr J Emerg Med*. 2016 Dec;6(4):191-197. doi: 10.1016/j.afjem.2016.10.001. Epub 2016 Oct 28. PubMed PMID: 30456094; PubMed Central PMCID: PMC6234177.
29. Aluisio AR, Teicher C, Wiskel T, Guy A, **Levine A**. Focused Training for Humanitarian Responders in Regional Anesthesia Techniques for a Planned Randomized Controlled Trial in a Disaster Setting. *PLoS Curr*. 2016 Nov 16;8. pii: ecurrents.dis.e75f9f9d977ac8adededb381e3948a04. doi: 10.1371/currents.dis.e75f9f9d977ac8adededb381e3948a04. Erratum in: *PLoS Curr*. 2017 Feb 6;9. PubMed PMID: 28018749; PubMed Central PMCID: PMC5145820.
30. Smit MA, Michelow IC, Glavis-Bloom J, Wolfman V, **Levine AC**. Characteristics and Outcomes of Pediatric Patients With Ebola Virus Disease Admitted to Treatment Units in Liberia and Sierra Leone: A Retrospective Cohort Study. *Clin Infect Dis*. 2017 Feb 1;64(3):243-249. doi: 10.1093/cid/ciw725. Epub 2016 Oct 25. PubMed PMID: 28011610; PubMed Central PMCID: PMC5241778.
31. Aluisio AR, Umuhire OF, Mbanjumucyo G, George N, Kearney A, Karim N, Nyinawankusi JD, Uwitonze E, Enumah S, Scott JW, Mutabazi Z, Ntakiyiruta G, Jayaraman S, Riviello R, Byiringiro JC, **Levine AC**. Epidemiologic Characteristics of Pediatric Trauma Patients Receiving Prehospital Care in Kigali, Rwanda. *Pediatr Emerg Care*. 2019 Sep;35(9):630-636. doi: 10.1097/PEC.0000000000001045. PubMed PMID: 28169980.
32. Waxman M, Aluisio AR, Rege S, **Levine AC**. Characteristics and survival of patients with Ebola virus infection, malaria, or both in Sierra Leone: a retrospective cohort study. *Lancet Infect Dis*. 2017 Jun;17(6):654-660. doi: 10.1016/S1473-3099(17)30112-3. Epub 2017 Mar 1. PubMed PMID: 28258817.
33. Henwood PC, Bebell LM, Roshania R, Wolfman V, Mallow M, Kalyanpur A, **Levine AC**. Ebola Virus Disease and Pregnancy: A Retrospective Cohort Study of Patients Managed at 5 Ebola Treatment Units in West Africa. *Clin Infect Dis*. 2017 Jul 15;65(2):292-299. doi: 10.1093/cid/cix290. PubMed PMID: 28379374; PubMed Central PMCID: PMC5850452.

34. Wanjiku G, Janeway H, Foggie J, Partridge R, Wang Y, Kearney A, **Levine AC**, Carter J, Tabu JS. Assessing the impact of an emergency trauma course for senior medical students in Kenya. *Afr J Emerg Med*. 2017 Dec;7(4):167-171. doi: 10.1016/j.afjem.2017.04.013. Epub 2017 May 25. PubMed PMID: 30456133; PubMed Central PMCID: PMC6234127.
35. Skrable K, Roshania R, Mallow M, Wolfman V, Siakor M, **Levine AC**. The natural history of acute Ebola Virus Disease among patients managed in five Ebola treatment units in West Africa: A retrospective cohort study. *PLoS Negl Trop Dis*. 2017 Jul 19;11(7):e0005700. doi: 10.1371/journal.pntd.0005700. eCollection 2017 Jul. PubMed PMID: 28723900; PubMed Central PMCID: PMC5536498.
36. Skrable K, Bilal S, Sharma R, Robertson S, Ashenafi Y, Nasrin S, Alam NH, **Levine AC**. The Effects of Malnutrition and Diarrhea Type on the Accuracy of Clinical Signs of Dehydration in Children under Five: A Prospective Cohort Study in Bangladesh. *Am J Trop Med Hyg*. 2017 Nov;97(5):1345-1354. doi: 10.4269/ajtmh.17-0277. PubMed PMID: 29140238; PubMed Central PMCID: PMC5817771.
37. Mackenzie DC, Nasrin S, Atika B, Modi P, Alam NH, **Levine AC**. Carotid Flow Time Test Performance for the Detection of Dehydration in Children With Diarrhea. *J Ultrasound Med*. 2018 Jun;37(6):1397-1402. doi: 10.1002/jum.14478. Epub 2017 Nov 9. PubMed PMID: 29119578.
38. Aluisio AR, Garbern S, Wiskel T, Mutabazi ZA, Umuhire O, Ch'ng CC, Rudd KE, D'Arc Nyinawankusi J, Byiringiro JC, **Levine AC**. Mortality outcomes based on ED qSOFA score and HIV status in a developing low income country. *Am J Emerg Med*. 2018 Nov;36(11):2010-2019. doi: 10.1016/j.ajem.2018.03.014. Epub 2018 Mar 10. PubMed PMID: 29576257.
39. Weissbecker I, Roshania R, Cavallera V, Mallow M, Leichner A, Antigua J, Gao K, **Levine AC**. Integrating psychosocial support at Ebola treatment units in Sierra Leone and Liberia. *Intervention*, 2018. doi: 10.4103/INTV.INTV\_8\_18.
40. Bilal S, Nelson E, Meisner L, Alam M, Al Amin S, Ashenafi Y, Teegala S, Khan AF, Alam N, **Levine A**. Evaluation of Standard and Mobile Health-Supported Clinical Diagnostic Tools for Assessing Dehydration in Patients with Diarrhea in Rural Bangladesh. *Am J Trop Med Hyg*. 2018 Jul;99(1):171-179. doi: 10.4269/ajtmh.17-0648. Epub 2018 May 10. Erratum in: *Am J Trop Med Hyg*. 2018 Sep;99(3):809. PubMed PMID: 29761756; PubMed Central PMCID: PMC6085783.
41. Rudd KE, Seymour CW, Aluisio AR, Augustin ME, Bagenda DS, Beane A, Byiringiro JC, Chang CH, Colas LN, Day NPJ, De Silva AP, Dondorp AM, Dünser MW, Faiz MA, Grant DS, Haniffa R, Van Hao N, Kennedy JN, **Levine AC**, Limmathurotsakul D, Mohanty S, Nosten F, Papali A, Patterson AJ, Schieffelin JS, Shaffer JG, Thuy DB, Thwaites CL, Urayenzeza O, White NJ, West TE, Angus DC; Sepsis Assessment and Identification in Low Resource Settings (SAILORS) Collaboration. Association of the Quick Sequential (Sepsis-Related) Organ Failure Assessment (qSOFA) Score With Excess Hospital Mortality in Adults With Suspected Infection in Low- and Middle-Income Countries. *JAMA*. 2018 Jun 5;319(21):2202-2211. doi: 10.1001/jama.2018.6229. PubMed PMID: 29800114; PubMed Central PMCID: PMC6134436.
42. Mallow M, Gary L, Jeng T, Bongomin B Jr, Aschkenasy MT, Wallis P, Cranmer HH, Debasu E, **Levine AC**. WASH activities at two Ebola treatment units in Sierra Leone. *PLoS One*. 2018 May 24;13(5):e0198235. doi: 10.1371/journal.pone.0198235. eCollection 2018. PubMed PMID: 29795676; PubMed Central PMCID: PMC5967824.
43. Koeller E, Robertson SE, Garbern SC, Monk G, Nasrin S, Alam NH, **Levine AC**. Ultrasound Adds No Benefit to Clinical Exam for Predicting Dehydration in Children With Acute Diarrhea in a Resource-Limited Setting. *J Ultrasound Med*. 2019 Mar;38(3):685-693. doi: 10.1002/jum.14752. Epub 2018 Oct 5. PubMed PMID: 30291639.

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### **PUBLICATIONS SUBMITTED OR IN PREPARATION**

1. Schnadower D, Sapien RE, Casper TC, Vance C, Tarr PI, O'Connell KJ, **Levine AC**, Roskind CG, Rogers AJ, Bhatt SR, Mahajan P, Powell EC, Olsen CS, Gorelick MH, Dean JM, Freedman SB on behalf of the PECARN Network. Impact of Age, Weight and Dose on the Clinical Response to Probiotics in Children with Acute Gastroenteritis. *BMJ*, 2020;
2. Aluisio AR, Perera SM, Yam D, Garbern SC, Peters JL, Abel L, Cho DK, Kennedy SB, Massaquoi M, Sahr F, Liu T, **Levine AC**. Association Between Treatment with Oral Third-Generation Cephalosporin Antibiotics and Mortality Outcomes in Ebola Virus Disease: A Multinational Retrospective Cohort Study. *Tropical Medicine and International Health*, 2020;
3. Khan AI, Mack J, Salimuzzaman M, Zion MI, Hasnat S, Ball R, Maples S, Rashid MM, Jobayer C, Sarker SA, Biswas D, Hossin R, Bardosh KL, Begum Y, Ahmed A, D. Pieri, Raghu PS, Jain R, Sai S, Teegala S, Haque F, Rahman M, **Levine AC**, Qadri F, Flora S, Gurka M, Nelson EJ. Electronic decision-support improves diarrheal disease guideline adherence (mHealth Diarrhea Management, mHDM, Trial): a cluster randomized controlled trial. *Lancet Digital Health*, 2020;
4. Poonai N, Powell EC, Schnadower D, Casper C, Roskind CG, Olsen CS, Tarr P, Mahajan P, Rogers AJ, Schuh S, Hurley K, Gouin S, Vance C, Farion K, Sapien RE, O'Connell KJ, **Levine AC**, Bhatt S, Freedman SB for Pediatric Emergency Research Canada (PERC) and the Pediatric Emergency Care Applied Research Network (PECARN). Predictors of Intravenous Rehydration and Hospitalization in Children with Acute Gastroenteritis: a Prospective Multinational Cohort Study. *JAMA Pediatrics*; 2020;
5. Brintz B, Howard J, Haaland B, Platts-Mills JA, Greene, **Levine AC**, Nelson E, Pavia AT, Kotloff KL, Leung DT. Clinical predictors for etiology of acute diarrhea in children in resource-limited settings. *PLOS NTD*, 2020;
6. Muyembe-Tamfum JJ, Mulangu S, Diaz J, Mbaya OT, Kojan R, Fischer W, Tshomba A, Fowler R, Kitenge R, Mpinda F, Jacobs S, Biampata J, Crozier I, Mangala, Cigleneki I, Sprecher A, Mbala P, Mukadi D, Ahuka S, O'Neill B, **Levine AC**, Pegg AM, Luquero F, Sivapalasingam S, Ledgerwood J, Nyhuis T, Osinusi A, Holman W, Dean N, Benassi V, Yao M, Longini IM, Fall IS, Salama P, Ryan M, Preziosi MP. The MEURI framework for Ebola virus disease therapeutics: Paving the way for life-saving research during epidemics. *NEJM*, 2020;

### **ABSTRACTS**

1. **Levine AC**, Presser DZ, Rosborough SN, Ghebreyesus TA, Davis MA. "Understanding Barriers to Emergency Care in Low Income Countries." *Annals of Emergency Medicine* Vol. 48(A308). Presented at the American College of Emergency Physicians Scientific Assembly, New Orleans, Louisiana, 10/2006.
2. **Levine AC**, Marsh R, Nelson S, Chapman J. "Measuring Access to Emergency Obstetric Care in Rural Zambia." Presented at the Massachusetts Medical Society Medical Student and Resident Poster Symposium, Waltham, Massachusetts, 4/2007.
3. Choi B, Nelson BP, Noble VE, **Levine A**. "Ectopic Pregnancy Evaluation in the ED: Impact of a Management Algorithm Poster on Resident Education." Presented at the Mediterranean Emergency Medicine Congress (MEMC IV), Sorrento, Italy, 9/2007.

4. Noble VE, Capp R, Higgins C, **Levine A**, Liteplo A. "Evaluation of the 8-Zone Lung Ultrasound Technique." Presented at the Mediterranean Emergency Medicine Congress (MEMC IV), Sorrento, Italy, 9/2007.
5. **Levine AC**, Marsh R, Nelson S, Chapman J, Burke TF. "Measuring Access to Emergency Obstetric Care in Rural Zambia." *Annals of Emergency Medicine* Vol. 51(A19). Presented at the 12<sup>th</sup> International Conference on Emergency Medicine, San Francisco, USA, 4/2008.
6. **Levine AC**, Lozner A, Nelson B, Demoya MA, Liteplo A, Noble V. "Detection of Pneumothorax in Penetrating Injury: Thoracic Rapid Ultrasound in Trauma (TRUST)." Presented at Massachusetts General Hospital Clinical Research Day, Boston, Massachusetts, 5/2008.
7. **Levine AC**, Marsh R, Nelson S, Chapman J, Burke TF. "Measuring Access to Emergency Obstetric Care in Rural Zambia." Presented at the Massachusetts General Hospital Clinical Research Day, Boston, Massachusetts, 5/2008.
8. Nelson B, Duque D, Noble V, Chang B, **Levine A**, Lozner A. "Detection of Pneumothorax in Penetrating Injury: Thoracic Rapid Ultrasound in Trauma (TRUST)." *Academic Emergency Medicine* Vol. 15, No. 5, p. S115(A285). Presented at the Society for Academic Emergency Medicine (SAEM) Scientific Assembly, Washington, DC, USA, 05/2008.
9. Tyer-Viola L, **Levine AC**, Marsh R, Nelson S, Chapman J, Burke TF. "The Maternal Infant Health Initiative for Zambia: Evaluating the Environment." Presented at the Council for the Advancement of Nursing Science, Washington, DC, 10/2008.
10. **Levine AC**, Greenough PG, Patel P, Qasrawi R, Abdeen Z. "Coping Strategies as Proxies for Food Security." Presented at the Global Health Council International Conference on Global Health, Washington, DC, 5/2009.
11. Nelson BP, Noble VE, Choi J, Truong T, **Levine AC**. "Improved Resident Knowledge and Adherence Care Guidelines Using an Algorithm for Ectopic Pregnancy Evaluation." *Annals of Emergency Medicine* 2009; 54(3): S34(A106). Presented at the American College of Emergency Physicians Scientific Assembly, Boston MA, 10/2009.
12. **Levine AC**, Shah S, Noble VE, Epino H. "Ultrasound Assessment of Dehydration in Children with Gastroenteritis." *Annals of Emergency Medicine* 2009; 54(3): S91(A289). Presented at the American College of Emergency Physicians Scientific Assembly, Boston MA, 10/2009.
13. **Levine AC**, Greenough PG, Patel P, Qasrawi R, Abdeen Z. "Use of coping strategies to detect households at risk for malnutrition during humanitarian emergencies." Presented at the American Public Health Association 137<sup>th</sup> Annual Meeting, Philadelphia, PA, 11/2009.
14. **Levine AC**, Noble VE. "Ultrasound Assessment of Severe Dehydration in Children with Diarrhea." Presented at the 6<sup>th</sup> World Congress on Ultrasound in Emergency and Critical Care, Rome, Italy, 10/2010.
15. Pringle K, **Levine AC**. "Comparing The Accuracy Of The 3 Popular Clinical Dehydration Scales In Children With Diarrhea." Presented at the New England Regional SAEM Conference, Hartford, CT, USA, 4/2011 and the SAEM Scientific Assembly, Boston, MA, USA, 6/2011.
16. Kabeza, A, **Levine AC**. "Designing Rwanda's First Emergency Medicine Residency." Presented at Emergency Medicine Society of South Africa International Emergency Medicine Conference, Cape Town, South Africa, 11/2011.

17. Schroeder ED, **Levine AC**, Chan J, Jacquet G, Kayden, SR. "The Global Emergency Medicine Literature Review: A Review of the Last Five Years." *Annals of Emergency Medicine* 2012. Presented at the International Conference on Emergency Medicine, Dublin, Ireland, 6/2012.
18. Nelson DA, Jauregui JM, Stearns B, Choo E, **Levine AC**, Liebmann O, Shah S. "Bedside Ultrasound for the Detection of Dehydration in Youth (BUDDY)." *Academic Emergency Medicine* 2013; 20(5): S214-5. Presented at the Society for Academic Emergency Medicine Annual Meeting, Atlanta, GA, 5/2013.
19. Modi P, Goldberg E, Munyaneza RBM, **Levine A**. "Assessment of Pneumonia in Children in Resource Limited Settings." *Academic Emergency Medicine* 2013; 20(5): S147. Presented at the Society for Academic Emergency Medicine Annual Meeting, Atlanta, GA, 5/2013.
20. Jauregui JM, Nelson DA, Stearns B, Choo E, **Levine AC**, Liebmann O, Shah S. "External Validation and Comparison of Three Popular Clinical Dehydration Scales in Children." *Academic Emergency Medicine* 2013; 20(5): S193-4. Presented at the Society for Academic Emergency Medicine Annual Meeting, Atlanta, GA, 5/2013.
21. Pringle K, Mackey J, Ruskis J, Modi P, Foggie J, **Levine AC**. "A Short Trauma Course for Physicians in a Resource-Limited Setting: Is Low-Cost Simulation Effective?" *Annals of Emergency Medicine* 2013; 62(4): S100(A274). Presented at the American College of Emergency Physicians Scientific Assembly, Seattle, WA, 10/2013.
22. **Levine AC**, Mugeni C, Munyaneza RM, Murindahabi E, Cockrell HC, Glavis-Bloom J, Nutt CT, Wagner CM, Karema C, Gaju E, Rukundo A, Habimana JP, Ngabo F, Binagwaho A. "Nationwide Implementation of Integrated Community Case Management of Childhood Illness in Rwanda: Impact on Mortality and Health Facility Utilization." Presented as a Roundtable Discussion at the American Public Health Association Annual Meeting, Boston, MA, 11/2013.
23. **Levine AC**, Munyaneza RM, Glavis-Bloom J, Reddit V, Cockrell HC, Kalimba B, Kabemba V, Gakwerere M, Umurungi J, Shah SP, Drobac PC. "Assessing the accuracy of three clinical dehydration scales in children with diarrhea in a resource-limited setting." Presented at the American Public Health Association Annual Meeting, Boston, MA, 11/2013.
24. **Levine AC**, Glavis-Bloom J, Modi P, Nasrin S, Rege S, Chu C, Schmid CH, Alam NH. "Derivation and internal validation of the DHAKA Score and DHAKA Tree for predicting dehydration severity in children with acute diarrhea." *American College of Emergency Physicians Scientific Assembly*, Boston, MA, 10/2015. DOI: 10.1016/j.annemergmed.2015.07.246
25. **Levine AC**, Glavis-Bloom J, Modi P, Nasrin S, Atika B, Rege S, Schmid CH, Alam NH. "External Validation of the DHAKA Score for Diagnosing Severe Dehydration in Children with Acute Diarrhea in Resource-Limited Settings." Presented at the International Conference on Emergency Medicine, Cape Town, South Africa, 4/2016.
26. Roshania R, Mallow M, Dunbar N, Mansary D, Shetty P, Lyon T, Pham K, Abad M, Shedd E, Tran AA, Cundy S, **Levine AC**. "Implementation of a multi-country Ebola Virus Disease clinical surveillance and data collection system in West Africa: Findings and lessons learned." Presented at the American Society of Tropical Medicine and Hygiene Meeting, Atlanta, GA, 11/2016.
27. Aluisio AR, Mbanjumucyo G, Barry MA, Karim N, **Levine AC**. "Impact of Implementation of Emergency Medicine Training on Emergency Department Mortality in Kigali, Rwanda: An Interrupted Time-Series Quasi-Experimental Design." *Annals of Emergency Medicine*, 2017; 70(4S): S78. Presented at the American College of Emergency Physicians Scientific Assembly, Washington DC, 10/2017.

28. Aluisio AR, Gerbern S, Wiskel T, Mutabazi ZA, Umuhire OF Ch'ng CC, Rudd KE Nyinawankusi JD, Byiringiro JC, **Levine AC**. "The quick Sepsis-related Organ Failure Assessment Score Predicts Emergency Department and Hospital Mortality Among Emergency Care Patients in Kigali, Rwanda: A Retrospective Cohort Study." Presented at the Society for Academic Emergency Medicine Annual Meeting, Indianapolis, IN, 05/2018.
29. Aluisio A R, Yam D, Peters J L, Cho DK, Perera S M, Kennedy S B, Massaquoi M, Sahr F, Garbern S, Liu T, **Levine AC**. "Treatment with Intravenous Fluid Therapy Was Not Associated with Improved Survival Among Patients with Ebola Virus Disease: An International Multisite Cohort Study" American College of Emergency Physicians Research Forum, San Diego, CA, 10/18.
30. Garbern S, Yam D, Cho DK, Aluisio A R, Perera S M, **Levine AC**, Liu T. "Effect of Mass Artesunate-Amodiaquine Distribution on Mortality of Patients with Ebola Virus Disease during West African Outbreak." American Society of Tropical Medicine and Hygiene, 67th Annual Meeting, New Orleans, LA, 11/2018.
31. Aluisio AR, Yam D, Peters JL, Cho DK, Perera SM, Kennedy SB, Sahr F, Garbern S, Liu T, **Levine AC**. "Association Between Vitamin A Supplementation and Mortality Among Patients with Ebola Virus Disease: An International Multisite Cohort Study." Presented at the WADEM Congress on Disaster and Emergency Medicine, Brisbane, Australia, 05/2019.
32. Garbern SC, Mbanjumucyo G, Umuhiza C, Sharma VK, Mackey J, Martin KD, Twagirumukiza FR, Rosman SL, McCall N, Wegerich SW, **Levine AC**. "Evaluation of a biosensor device for vital sign monitoring in septic ED patients in Rwanda." Presented at the WADEM Congress on Disaster and Emergency Medicine, Brisbane, Australia, 05/2019.
33. Aluisio A R, Yam D, Peters J L, Cho DK, Perera S M, Kennedy S B, Massaquoi M, Sahr F, Garbern S, Liu T, **Levine AC**. "Morality Impacts of Multivitamin in Ebola Virus Disease: an International Multisite Cohort Study." International Conference on Emergency Medicine, Seoul, Korea, 06/2019.
34. Kearney AS, Aluisio AR, Laghari R, Germain C, Ngole ME, Muhayangabo RF, Abel L, Colubri A, Muyembe JJ, **Levine AC**. "Prior vaccination with rVSV-ZEBOV reduces mortality in patients with laboratory-confirmed Ebola Virus Disease in the Democratic Republic of Congo." American Society of Tropical Medicine and Hygiene, 68th Annual Meeting, National Harbor, MD, 11/2019.
35. Aluisio AR, Kearney AS, Laghari R, Germain C, Ngole ME, Muhayangabo RF, Garbern S, Abel L, Colubri A, Muyembe JJ, **Levine AC**. "External Validation in the Democratic Republic of Congo of the Ebola Prediction Score for Risk Stratification of Patients With Suspected Ebola Virus Disease." American Society of Tropical Medicine and Hygiene, 68th Annual Meeting, National Harbor, MD, 11/2019.

## **INVITED PRESENTATIONS**

### ***Local***

1. The Warren Alpert Medical School of Brown University Emergency Medicine Interest Group. "Careers in Global Emergency Medicine." Providence, RI, 2011.
2. The Warren Alpert Medical School of Brown University Emergency Medicine Interest Group. "Careers in Global Emergency Medicine." Providence, RI, 2012.
3. The Warren Alpert Medical School of Brown University Mini-Medical School Event. "Saving Aid: The Future of Global Health and Disaster Response." Providence, RI, 2013.

4. Rhode Island Hospital Brown Residency International/Global Health Training (BRIGHT) Program. "Complex Humanitarian Emergencies." Providence, RI, 2013.
5. The Warren Alpert Medical School of Brown University Emergency Medicine Interest Group. "Careers in Global Emergency Medicine." Providence, RI, 2014.
6. Memorial Hospital of Rhode Island Department of Family Medicine Resident Core Curriculum. "Trauma Management in Complex Humanitarian Emergencies." Providence, RI, 2014.
7. The Warren Alpert Medical School of Brown University Global Health Lecture Series, "Learning from Ebola: Towards an Evidence-Based Humanitarian Response." Providence, RI, 2015.
8. The Warren Alpert Medical School of Brown University Primary Care and Population Medicine Program, "Preparing for and Learning from Epidemics." Providence, RI, 2017.
9. Hasbro Children's Hospital Department of Pediatrics Grand Rounds. "The Dehydration: Assessing Kids Accurately (DHAKA) Studies." Providence, RI, 2017.
10. The Warren Alpert Medical School of Brown University Second Look Program Keynote Address. "Lessons from Ebola: Preparing for and learning from epidemics." Providence, RI, 2018.

### ***Regional***

1. Massachusetts College of Emergency Physicians. "Understanding Barriers to Emergency Care in Low-Income Countries." Waltham, Massachusetts, 2006.
2. Harvard Humanitarian Studies Course. "Goma Cholera Epidemic." Boston, Massachusetts, 2009.
3. Massachusetts Medical Society Global Health Conference. "Incorporating International Health into Your Professional Career." Waltham, Massachusetts, 2010.
4. Humanitarian Studies Course. "Management of Communicable Disease in Humanitarian Emergencies." Boston, Massachusetts, 2010.
5. Partners in Health Three Pillars Research Seminar. "Ultrasound Assessment of Dehydration in Children with Diarrhea." Boston, Massachusetts, 2010.
6. Harvard Humanitarian Studies Course. "Outbreak Control Simulation." Boston, Massachusetts, 2011.
7. New England Regional Society for Academic Emergency Medicine Meeting. "Moderator, Lightning Orals Session." Providence, Rhode Island, 2013.
8. Northeastern University. "Ending Ebola: Strategies for Combatting an Epidemic." Boston, Massachusetts, 2014.
9. Boston University Department of Emergency Medicine Grand Rounds. "Ending Ebola: Strategies for Combatting an Epidemic." Boston, Massachusetts, 2014.
10. Harvard Medical School Department of Emergency Medicine Grand Rounds. "Learning from Ebola: Strategies for Combatting an Epidemic." Boston, Massachusetts, 2015.
11. Jamestown Arts Center Distinguished Speaker Series. "Lessons from Ebola for Future Outbreaks." Jamestown, Rhode Island, 2016.
12. Future of Outbreak Response Symposium. "Lessons from Ebola: Towards an Evidence-Based Humanitarian Response." Broad Institute, Cambridge, Massachusetts, 2016.

13. New England Society of Disaster Medicine Meeting. "Lessons from Ebola: Towards an Evidence-Based Humanitarian Response." Providence, Rhode Island, 2016.
14. Brown University Global Health Research Day. "Keynote Speaker: Humanitarian Emergencies in Resource-Limited Settings." Providence, Rhode Island, 2017.
15. United States Naval War College. "Humanitarian Emergencies in Resource-Limited Settings." Newport, Rhode Island, 2017.
16. Tufts University. "Humanitarian Emergencies in Resource-Limited Settings." Medford, Massachusetts, 2018.
17. University of Massachusetts, Amherst. "Complex Humanitarian Emergencies." Amherst, Massachusetts, 2018.
18. United States Naval War College. "Humanitarian Emergencies in Resource-Limited Settings." Newport, Rhode Island, 2018.
19. United States Naval War College. "Ebola Case Study." Newport, Rhode Island, 2019.
20. Harvard University T.H. Chan School of Public Health. "Pandemics." Boston, Massachusetts, 2019.
21. University of Massachusetts, Amherst Department of Political Science. "Complex Humanitarian Emergencies." Amherst, Massachusetts, 2019.
22. Boston University Sargent College of Health and Rehabilitation Sciences. "Complex Humanitarian Emergencies." Boston, Massachusetts, 2019.

### ***National***

1. American Medical Association Medical Student Section Region 5 Conference. "Health Economics 101." Columbus, Ohio, 2004.
2. Society for Academic Emergency Medicine Scientific Assembly. "International Emergency Medicine: A Review of the Literature." San Francisco, California, 2006.
3. Global Health Emergencies Course, Cornell University Medical Center. "Outbreak Control in Humanitarian Emergencies" & "Water Security, Sanitation, and Hygiene." New York, New York, 2011.
4. Jacobi/Montefiore Department of Emergency Medicine Resident Conference. "International Emergency Medicine." New York, New York, 2011.
5. SUNY Stony Brook Department of Emergency Medicine Grand Rounds. "Concepts in International Emergency Medicine." Stony Brook, New York, 2011.
6. Global Health Emergencies Course, Cornell University Medical Center. "Case Study: The Aftermath of Goma" & "Outbreak Control in Humanitarian Emergencies" & "Water Security, Sanitation, and Hygiene." New York, New York, 2012.
7. Society for Academic Emergency Medicine Scientific Assembly. "More Than Just a Hobby: Building an Academic Career in Global Emergency Medicine." Chicago, Illinois, 2012.
8. American Institute for Ultrasound in Medicine Annual Convention. "Ultrasound Research in Resource Limited Settings." New York, New York, 2013.

9. Academic Emergency Medicine 2013 Consensus Conference on Global Health and Emergency Care: A Research Agenda. "Plenary Presentation - An Evidence-Based Summary of the Trajectory of Global Emergency Care Research." Atlanta, Georgia, 2013.
10. Society for Academic Emergency Medicine Scientific Assembly. "The Top 10 Global Emergency Medicine Articles from 2012: Highlights from the Global Emergency Medicine Literature Review." Atlanta, Georgia, 2013.
11. Global Health Emergencies Course, Cornell University Medical Center. "Health and Outbreak Control" & "Water Security, Sanitation, and Hygiene" & "SPHERE Simulation." New York, New York, 2013.
12. Global Health Speaker Series, University of Pennsylvania. "Complex Humanitarian Emergencies." Philadelphia, Pennsylvania, 2013.
13. Society for Academic Emergency Medicine Scientific Assembly. "The Top 10 Global Emergency Medicine Articles from 2013: Highlights from the Global Emergency Medicine Literature Review" & "Federal Funding Streams for Global Health Research" & "Ultrasound in Resource Limited Settings: Discussion of use, benefits, research and sustainable program design." Dallas, Texas, 2014.
14. Global Health Speaker Series, University of Pennsylvania. "Ending Ebola: Strategies for Combatting an Epidemic." Philadelphia, Pennsylvania, 2014.
15. Institute of Medicine Forum on Public Private Partnerships for Global Health and Safety. "Increasing Impact and Effectiveness: What Lessons Are Being Learned from the Global Response to the Ebola Outbreak?" Washington, DC, 2014.
16. Columbia University Mailman School of Public Health. "Panel Discussion on Ebola Response – Perspectives from the Field." New York, New York, 2015.
17. Global Health Emergencies Course, Cornell University Medical Center. "Communicable Diseases and Outbreak Control" & "Ebola Case Study." New York, New York, 2015.
18. New York Symposium on International Emergency Medicine. "Learning from Ebola: Towards an Evidence-Based Humanitarian Response." New York, New York, 2015.
19. ETEC Severity Score Workshop. "Developing the Dehydration: Assessing Kids Accurately (DHAKA) Score." Washington, DC, 2016.
20. The National Academies of Science, Engineering, and Medicine. "Panel: Experiences and Challenges Faced in Disaster Research." Washington, DC, 2016.
21. The Rand Corporation. "Lessons from Ebola: Towards an Evidence-Based Humanitarian Response." Los Angeles, CA, 2016.
22. Global Emergency Medicine Think Tank Keynote Address, Society for Academic Emergency Medicine Annual Meeting. "Trends in Global Emergency Medicine Research and Funding." New Orleans, LA, 2016.
23. Society for Academic Emergency Medicine Annual Meeting Didactic Presentation. "So you Want to Be a Global Health Researcher?" New Orleans, LA, 2016.
24. American Society for Tropical Medicine and Hygiene Annual Meeting. "Panel: Data Sharing for Tropical Medicine." Atlanta, GA, 2016.



25. Northwestern University Department of Emergency Medicine Grand Rounds. "Lessons from Ebola: Towards an Evidence-Based Humanitarian Response." Chicago, IL, 2017.
26. Diarrhea Innovations Group. "Accurate and reliable clinical diagnostic models for assessing dehydration in patients with acute diarrhea and translating those models into mobile phone applications that can help clinicians in resource-limited settings." Seattle, WA, 2017.

### ***International***

1. Zambia Medical Association Faculty of General Practitioners. "Maternal and Infant Health." Lusaka, Zambia, 2007.
2. Butaro District Hospital Grand Rounds. "Trauma Management at the District Hospital." Butaro, Rwanda, 2011.
3. Rwinkwavu District Hospital Grand Rounds. "Basic Life Support in Rwanda." Rwinkwavu, Rwanda, 2011.
4. Kirehe District Hospital Grand Rounds. "Assessment of Pneumonia in Children." Kirehe, Rwanda, 2012.
5. Butaro District Hospital Grand Rounds. "Acute Poisoning in Rwanda." Butaro, Rwanda, 2012.
6. Rwinkwavu District Hospital Grand Rounds. "Assessment of Severe Dehydration in Children with Diarrhea." Rwinkwavu, Rwanda, 2013.
7. Kirehe District Hospital Grand Rounds. "Management of Acute Head Injury in Rwanda." Kirehe, Rwanda, 2013.
8. International Center for Diarrheal Disease Research, Bangladesh. "The Dehydration: Assessing Kids Accurately (DHAKA) Study." Dhaka, Bangladesh, 2014.
9. African Conference on Emergency Medicine. "Keynote Address - Ebola Rising: Impact and Implications of the Ebola Virus Disease Epidemic on Emergency Care in Africa" & "Top Global Emergency Medicine Articles of 2013: Highlights from the Global Emergency Medicine Literature Review" & "Funding Global Emergency Medicine Research." Addis Ababa, Ethiopia, 2014.
10. World Health Organization Ebola Science Committee Meeting. "Learning from Ebola: Towards an Evidence-Based Humanitarian Response." Montreux, Switzerland, 2015.
11. World Health Organization Meeting on Clinical Aspects of Ebola Virus Disease. "Systematic Data Collection and Data Sharing." Rome, Italy, 2015.
12. World Health Organization Ebola Research and Development Summit. "Panel Discussion: Establishing and using networks/platforms for collaborations for effective R&D responses in times of need." Geneva, Switzerland, 2015.
13. Society for Clinical Trials Annual Meeting. "Panel Discussion: Courage, Controversy, and Clinical Trials: Lessons from the Ebola Epidemic." Montreal, Canada, 2016
14. Rwanda Emergency Care Association Annual Conference. "Keynote Speaker: Humanitarian Emergencies in Resource-Limited Settings." Kigali, Rwanda, 2017.

### **GRANTS**

## **Active**

1. NIH National Institute of Diabetes and Digestive and Kidney Diseases 09/2018-06/2023  
Development of a novel mobile health tool for age-specific dehydration assessment and management in patients with diarrheal disease  
Grant Number: R01DK116163  
Role: Principal Investigator \$2,809,435 total costs
2. NIH National Institute of Allergy and Infectious Disease 06/2017-05/2020  
Evaluation of Management Strategies for Maximizing Supportive Care for Patients with Ebola Virus Disease  
Grant Number: R03AI132801  
Role: Principal Investigator \$179,200 total costs
3. United States Centers for Disease Control and Prevention 06/2017-06/2022  
Global Emergency Response and Recovery Partner Engagement: Expanding Efforts and Strategies to Improve Rapid Response to Public Health Emergencies Globally  
Grant Number: NU2GGH002058  
Role: Principal Investigator \$2,390,555 total costs
4. Carnegie Corporation of New York 04/2018-04/2020  
Civilian-Military Coordination in Humanitarian Response  
Grant Number: R-17-55582  
Role: Co-Investigator \$175,000 total costs
5. Bill and Melinda Gates Foundation 10/2018-04/2020  
Development of a Bayesian diagnostic for etiological management of pediatric diarrhea  
Grant Number: OPP1198876  
Role: Co-Investigator \$74,499 total subaward costs
6. US State Department Bureau of Population, Refugees, and Migration 09/2019-08/2021  
Civilian-Military Interaction in Conflicts: Best Practices and Perceptions  
Grant Number: SAPP0048493  
Role: Principal Investigator \$299,978 total costs

## **Completed**

1. Harvard Affiliated Emergency Medicine Residency 07/2008-06/2009  
Maryanne Povinelli Humanism Award  
International Emergency Ultrasound: Training and Research in Rwanda  
Role: Principal Investigator \$2000 total costs
2. Rhode Island Foundation 06/2010-05/2012  
Assessment of Severe Dehydration in Children with Diarrhea Using Clinical Exam  
Role: Principal Investigator \$15,000 total costs
3. Thrasher Foundation 06/2010-05/2012  
Early Career Award  
Assessment of Severe Dehydration in Children with Diarrhea Using Ultrasound  
Role: Principal Investigator \$25,000 total costs
4. Brown University Department of Emergency Medicine 10/2010-04/2012  
Junior Faculty Research Development Grant  
Assessment of Severe Dehydration in Children with Diarrhea Using Pulse Oximetry Waveform Analysis  
Role: Principal Investigator \$46,086 total costs

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|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 7.  | Research for Health in Humanitarian Crises (R2HC)<br>Rapid Response Grant<br>Regional Anesthesia for Painful Injuries After Disasters (RAPID)<br>Role: Co-Principal Investigator      £122,650 total costs                                   | 04/2014-09/2016 |
| 8.  | International Medical Corps<br>Ebola Research Collaborative<br>Role: Principal Investigator      \$398,064 total costs                                                                                                                       | 05/2015-12/2016 |
| 9.  | NIH Fogarty International Center<br>Assessment of Dehydration in Children with Diarrhea in Resource-Limited Settings<br>Grant Number: K01TW009208<br>Role: Principal Investigator      \$679,529 total costs                                 | 09/2012-09/2017 |
| 10. | United States Centers for Disease Control and Prevention/<br>Global Fund for HIV/AIDS, Tuberculosis, and Malaria<br>Rwanda Human Resources for Health Program<br>Role: Site Program Director      \$1,046,722 total subaward costs           | 05/2012-06/2018 |
| 11. | NIH National Institute of Child Health and Development<br>Impact of Emergency Department Probiotic Treatment of Pediatric Gastroenteritis<br>Grant Number: R01HD071915<br>Role: Site PI / Co-Investigator      \$67,730 total subaward costs | 12/2013-11/2018 |

### **UNIVERSITY TEACHING ROLES**

**Community Mentor**, Doctoring Course, The Warren Alpert Medical School of Brown University/Rhode Island Hospital, Providence, RI, 2010-2012.

**Instructor**, Advanced Cardiac Life Support, The Warren Alpert Medical School of Brown University, 2010, class size: 94

**Course Lecturer**, BIOL 3710: Healing Medicine: A Workshop Exploring Literature, Humanities and the Art of Practicing of Medicine, The Warren Alpert Medical School of Brown University, 2010, class size: 15

**Course Lecturer**, Wilderness Medicine Elective, "International Emergency Medicine." The Warren Alpert Medical School of Brown University, Annually 2010-2012, average class size: 30

**Course Lecturer**, PHP 1680K "Clinical Research in Resource-Limited Settings." Brown University School of Public Health, Providence, RI, Annually, 2010-2015, average class size: 20

**Course Lecturer**, PHP 1520: Emergency Medical Systems: A Critical Analysis of Performance, "Policy and Politics in Emergency Medicine." Brown University School of Public Health, Providence, RI, Annually, 2011-2012, average class size: 100

**Course Lecturer**, PHP 1070: The Burden of Disease in Developing Countries, "Diarrhea and Acute Respiratory Infections" Brown University School of Public Health, Providence, RI, Annually 2011-2013, average class size: 75

**Course Lecturer**, Wilderness Medicine Elective, "Complex Humanitarian Emergencies." The Warren Alpert Medical School of Brown University, Annually 2013-2014, average class size: 10

**Course Lecturer**, IR 1802M: Rwanda Past and Present, "Human Resources for Health in Rwanda." Brown University, Providence, RI, 2014, class size: 12

**Co-Convener**, Brown International Advanced Research Institute (BIARI) on Humanitarian Response and Post Conflict Reconstruction. Brown University Watson Institute for International and Public Affairs, Annually 2014-2017, average class size 40

- Designed and co-directed two-week humanitarian course for international students from a diverse range of academic and professional backgrounds
- Developed and delivered several lectures in the course each year
- Developed hands-on simulations and case discussions to supplement lecture content
- Supervised 6 small group facilitators and program coordinator

**Course Lecturer**, PHP 1070: The Burden of Disease in Developing Countries, “Complex Humanitarian Emergencies.” Brown University School of Public Health, Providence, RI, Annually 2014-present, average class size: 50

**Course Lecturer**, POLS1822T: The Politics of Health in the Global South, “The Ethics and Logistics of Health Policy Research During Crises.” Brown University, Providence, RI, 2014, class size: 20

**Course Lecturer**, PHP 0320: Introduction to Public Health, “Ending Ebola: Strategies for Combatting an Epidemic.” Brown University School of Public Health, Providence, RI, 2014, class size: 120

**Course Lecturer**, PHP 1854: Infectious Disease Epidemiology, “Ebola Case Study: Strategies for Combatting an Epidemic.” Brown University School of Public Health, 2015, class size: 25

**Course Lecturer**, PHP 2025: Ethics of Global Public Health Engagement, “Potentially vulnerable populations.” Brown University School of Public Health, 2016, class size: 5

**Director**, Introduction to Humanitarian Decision Making, Brown University Watson Institute for International and Public Affairs, 2016, class size: 20

- Developed and led half-day simulation for graduate students in humanitarian decision making

**Course Lecturer**, PHP 1520: Emergency Medical Systems: A Critical Analysis of Performance, “Complex Humanitarian Emergencies.” Brown University School of Public Health, Providence, RI, Annually 2016-2017, average class size: 100

**Course Director**, PHP 1802S/DEVS 1802S: Human Security and Humanitarian Response, Brown University School of Public Health, Annually, 2016-present, average class size: 40

- Designed and directed this novel seminar course for undergraduate and graduate students
- Developed and delivered majority of lectures in the 14-week course
- Provided training and supervision to two teaching assistants each year
- Developed hands-on simulations and case discussions to supplement lecture content

**Co-Convener**, Brown International Advanced Research Institute (BIARI) on Social Entrepreneurship within Health and Humanitarian Innovation. Brown University Watson Institute for International and Public Affairs, 2018, class size 25

- Co-directed two-week course on social entrepreneurship for international students
- Supervised 5 small group facilitators and program coordinator

**Co-Convener**, Brown University and Philippine Disaster Resilience Foundation Humanitarian Field Program, Annually 2018-2019, average class size: 48

- Developed and co-directed one-week course on humanitarian response in the Philippines
- Supervised 6 small group facilitators

## **HOSPITAL TEACHING ROLES**

**Lecturer**, Resident Core Curriculum, Department of Emergency Medicine, Rhode Island Hospital, 2009-present, average class size: 40

**Lecturer**, Global Emergency Medicine Fellowship Educational Curriculum, Department of Emergency Medicine, Rhode Island Hospital, 2018-present, average class size: 3

**Lecturer**, Research Curriculum, Department of Emergency Medicine, "Predictive Modeling." Rhode Island Hospital, Annually 2018-present, average class size: 12

**Lecturer**, Fellow Career Development Course, Department of Emergency Medicine, "From Seed Grants to K Awards." Rhode Island Hospital, Annually 2018-present, average class size: 12

### **ADVISING AND MENTORING**

**Faculty Mentor**, Rhode Island Hospital Emergency Medicine Residency Program, Providence, RI, 2010-2013; Mentee: Kimberly Pringle, MD (Resulting Publications: 2, Abstracts: 2).

**Faculty Mentor**, Rhode Island Hospital Emergency Medicine Residency Program, Providence, RI, 2011-2014; Mentee: Payal Modi, MD (Resulting Publications: 10, Abstracts: 4).

**Faculty Mentor**, Rhode Island Hospital Emergency Medicine Residency Program, Providence, RI, 2011-2014; Mentee: Joy, MD (Resulting Publications: 3, Abstracts: 2).

**Thesis Advisor**, Brown University, Providence, RI, 2011-2013; Student: Hannah, AB '13 (Resulting Publications: 4, Abstracts: 2).

**Faculty Mentor**, Rhode Island Hospital Emergency Medicine Residency Program, Providence, RI, 2012-2016; Mentee: Naomi George, MD (Resulting Publications: 5).

**Faculty Mentor**, Global Health Concentration, The Warren Alpert Medical School of Brown University, Providence, RI, 2012-2016; Mentee: Justin Glavis-Bloom, MD '16 (Resulting Publications: 9, Abstracts 4).

**Faculty Mentor**, Brown University, Providence, RI, 2013-2014; Student: Margaret Smith, AB '14.

**Independent Study Advisor**, Brown University, Providence, RI, 2013-2014; Student: Marissa Reitsma, AB '14.

**Independent Study Advisor**, Brown University, Providence, RI, 2013-2014; Student: Angela Ramponi, AB '14.

**Faculty Mentor**, Brown University, Providence, RI, 2014-2016; Student: Soham, ScB '16 (Resulting Publications: 5, Abstracts: 2).

**Faculty Mentor**, Rhode Island Hospital Emergency Medicine Residency Program, Providence, RI, 2014-2017; Mentee: Tess Wiskel, MD (Resulting Publications: 4, Abstracts 1).

**Faculty Mentor**, Rhode Island Hospital Global Emergency Medicine Fellowship Program, Providence, RI, 2014-2016; Mentee: Naz, MD (Resulting Publications: 4, Abstracts: 2).

**Graduate Research Fellowship Supervisor**, Brown University, Providence, RI, 2015; Student: Laurie Hadad, La Sorbonne MA '15.

**Faculty Mentor**, The Warren Alpert Medical School of Brown University, Providence, RI, 2014-2015; Student: Christopher Lam, AB '14, MD '18 (Resulting Publications: 2).

**Thesis Reader**, Department of Biostatistics, Brown University School of Public Health, Providence, RI, 2014-2015; Student: Chieh Chu, ScM '15 (Resulting Publications: 1, Abstracts: 1).

**Thesis Reader**, Department of Biostatistics, Brown University School of Public Health, Providence, RI, 2015-2016; Student: Sarah Robertson, ScM '16 (Resulting Publications: 4).

**Faculty Mentor**, Global Health Concentration, The Warren Alpert Medical School of Brown University, Providence, RI, 2015-2019; Student: Kelly Skrable, MD '19 (Resulting Publications: 2).

**Faculty Mentor**, Brown University, Providence, RI, 2015-2017; Student: Julia Chang, AB '18, MD '22 (Resulting Publications: 2).

**Faculty Mentor**, Rhode Island Hospital Global Emergency Medicine Fellowship Program, Providence, RI, 2015-2017; Mentee: Adam Aluisio, MD (Resulting Publications: 18, Abstracts: 6).

**Faculty Mentor**, Brown University, Providence, RI, 2016-2018; Student: Timothy Jeng, AB '18 (Resulting Publications: 1).

**Thesis Advisor**, Brown University, Providence, RI, 2016-2018; Student: Yokabed Ashenafi, AB '18 (Resulting Publications: 2).

**Thesis Advisor**, Primary Care and Population Medicine Masters Program, The Warren Alpert Medical School of Brown University, Providence, RI, 2016-2020; Student: Peter Mattson, MD '20 (Resulting Publications: 1).

**Faculty Mentor**, Brown University School of Public Health, Providence, RI, 2016-2018; Student: Sara Long, MPH '18 (Resulting Publications: 1).

**Faculty Mentor**, Rhode Island Hospital Global Emergency Medicine Fellowship Program, Providence, RI, 2016-2018; Mentee: Saadiyah Bilal, MD (Resulting Publications: 2).

**Faculty Mentor**, Medical Student Ambassador to Rwanda, American College of Emergency Physicians International Section, 2017-2019; Student: Michael Henry, Columbia University MD '19 (Resulting Publications: 1).

**Faculty Mentor**, Brown University, Providence, RI, 2017-2018; Student: Grace Monk, AB '18 (Resulting Publications: 1).

**Faculty Mentor**, Department of Emergency Medicine Tina and Richard V. Carolan Rwanda Research Fellowship, 2018-2019; Student: Vinay Sharma, Michigan State University MD '19.

**Faculty Mentor**, Rhode Island Hospital Global Emergency Medicine Fellowship Program, Providence, RI, 2017-2019; Mentee: Kyle Martin, MD.

**Faculty Mentor**, Rhode Island Hospital Global Emergency Medicine Fellowship Program, Providence, RI, 2017-2019; Mentee: Stephanie Chow Garbern, MD (Resulting Publications: 6, Abstracts: 5).

**Thesis Advisor**, Brown University School of Public Health, Providence, RI, 2017-2019; Student: Nour Audi (MPH '19).

**Faculty Mentor**, The Warren Alpert Medical School of Brown University, Providence, RI, 2017-2019; Student: Lars Meisner, MD '20 (Resulting Publications: 1).

**Faculty Mentor**, The Warren Alpert Medical School of Brown University, Providence, RI, 2017-2019; Student: Evan Stern, AB '16, MD '20.

**Faculty Mentor**, Global Health Concentration, The Warren Alpert Medical School of Brown University, Providence, RI, 2017-2019; Student: Eva Koeller, MD '20 (Resulting Publications: 1).

**Faculty Mentor**, Global Health Concentration, The Warren Alpert Medical School of Brown University, Providence, RI, 2017-current; Student: Jillian Peters, MD '20 (Resulting Publications: 3, Abstracts: 3).

**Faculty Mentor**, Rhode Island Hospital Emergency Medicine Residency Program, Providence, RI, 2017-current; Mentee: Meagan Barry, MD (Resulting Publications: 4, Abstracts: 1).

**Faculty Mentor**, Brown University, Providence, RI, 2017-current; Student: Daniel Cho, AB '19, MD '23 (Resulting Publications: 6, Abstracts: 4).

**Thesis Advisor**, Emerging Infectious Disease Scholars Program, The Warren Alpert Medical School of Brown University, Providence, RI, 2017-current; Student: Daniel Olivieri, MD/MPA '22.

**Faculty Mentor**, Rhode Island Hospital Global Emergency Medicine Fellowship Program, Providence, RI, 2018-current; Mentee: Catalina Gonzalez Marques, MD (Resulting Publications: 1).

**Faculty Mentor**, Rhode Island Hospital Global Emergency Medicine Fellowship Program, Providence, RI, 2018-current; Mentee: Katelyn Moretti, MD.

**Faculty Mentor**, Brown University, Providence, RI, 2018-current; Student: Huy Nguyen, AB '19 (Resulting Publications: 1).

**Faculty Mentor**, Brown University, Providence, RI, 2019-current; Student: Nidhi Bhaskar, AB '21, MD '25.

**Faculty Mentor**, Department of Biostatistics, Brown University School of Public Health, Providence, RI, 2019-current; Student: Kexin Qu, PhD '22.

**Faculty Mentor**, Brown University, Providence, RI, 2019-current; Student: Gabriela Gil, AB '20.