

DUKE UNIVERSITY MEDICAL CENTER

CURRICULUM VITAE

**for
Permanent Record
and the
Appointments, Promotions and Tenure Committee**

Catherine A. Staton, MD MScGH

Date Prepared: 08/20/2016

Name (complete with degrees): Catherine A. Staton, M.D, MScGH

Primary academic appointment (department): Department of Surgery, Division of Emergency Medicine

Secondary appointment: Research Assistant Professor, Duke Global Health Institute

Present academic rank and title: Assistant Professor of Surgery and Global Health

Date and rank of first Duke faculty appointment: 08/2011, Assistant Professor of Surgery, Track IV

Medical licensure:

North Carolina License # 2001-00942

Date of License (Month/Day/Year): 06/15/2011

Tanzanian Medical Liscence: #5228

Date of Liscence(M/D/Y): 2/22/2013

Specialty certification(s) and dates (Month/Day/Year):

Diplomat, American Board of Emergency Medicine, 2009

Citizen of: USA, Ireland

Email: catherine.staton@duke.edu

<u>Education:</u>	<u>Institution</u>	<u>Date (Year)</u>	<u>Degree</u>
High School	Watchung Hills Regional High School Warren, NJ	1997	
College	The College of William and Mary Williamsburg, VA	2001	B.S. (Biology)
Graduate School	University of Medicine and Dentistry of New Jersey New Jersey Medical School Newark, NJ	2005	M.D.
	Duke University, Masters of Global Health Durham, NC	2013	MScGH

Professional training and academic career (chronologically commencing with first postdoctoral position):

<u>Institution</u>	<u>Position/Title</u>	<u>Dates</u>
Child Family Health International Cape Flats, South Africa	South African Health Care Fellowship	2005
Yale University School of Medicine New Haven, CT, USA	Resident Emergency Medicine	2005-2009
John F. Kennedy Medical Center Monrovia, Liberia	Clinical Appointment	2005-2007
Buchanan Governmental Hospital Buchanan, Liberia	Clinical Appointment	2007
Orota Medical Center, Halibut Hospital Mekane Hiwet Pediatrics Hospital Asmara, Eritrea	Eritrean Healthcare Fellowship	2007
Grigor Luchavorich Teaching Hospital Yerevan, Armenia	Instructor, Anesthesia/Critical Care Residents	2009
US NIH Post Doctoral Fellowship Injury Prevention and Control	Post Doctoral Fellow	2009-2011
Emory School of Medicine	Global Health Fellow	2009-2011
Emory University Hospital Midtown, Emory University Hospital, Grady Memorial Hospital, Atlanta, GA, USA	Clinical Instructor	2009-2011
Nikoloz Kipshidze Central University Hospital Tbilisi, Georgia	Advisor/Instructor, Georgian Emergency Medicine Residency	2009

Publications:

1. Refereed journals:

1. Murano T, Mohr AM, Lavery RF, **Lynch C**, Homnick AT, Livingston DH. Civilian Craniocerebral Gunshot Wounds: An Update in Predicting Outcomes. *Amer Surg.*, 71(12):1009-14, 2005 Dec.
2. Remane Jetha EA, **Lynch CA**, Houry D, Rodrigues MA, Keyes CE, Chilundo B, Wright DW, Sasser SM. Treatment, Services and Follow-up for Victims of Family Violence in Health Clinics in Maputo, Mozambique. *West J Emerg Med.*, 12(3):348-353, 2011.
3. **Lynch CA**, Dai D, Houry D, Wright DW. Evidence-Based Community Consultation for Traumatic Brain Injury, *Acad Emerg Med*, 18:972–976, 2011
4. Jethá EA, **Lynch CA**, Houry DE, Rodrigues MA, Chilundo B, Sasser SM, Wright DW. Characteristic of victims of family violence seeking care at health centers in Maputo, Mozambique. *J Emerg Trauma Shock*, 4:369-73, 2011
5. DeMers G, **Lynch CA**, Vilke GM. Retail store-related traumatic injuries in paediatric and elderly populations. *Jour Paramed Prac*, 3:11; 632-636, 2011
6. Monica H. Swahn, Ph.D., Lindsay Gressard, Jane B. Palmier, J.D., M.P.H., Rogers Kasirye, **Catherine Lynch, M.D.**, Huang Yao, M.A. Victimization and Perpetration with Weapons among Youth in the Slums of Kampala, Uganda; *West J Emerg Med* 2012; 13(3): 253-9
7. Dodge K, **Lynch C**, Biroscak B, Evans L, Moore C. Use of Ultrasound Improves Success Rates of Junior Resident Central Venous Catheter Insertions. *J Ultrasound Med* 2012; 31:1519-1526
8. Woo J, Kapadia N, Phanco S, **Lynch CA**. “Intentional Dabigatran Overdose and a Positive Outcome: Case Report”. *J Med Toxicol*. 2012 Dec 5, PMID: 2312788
9. Dai D, Zhang Y, **Lynch C**, Miller T, Shakir M., “Childhood drowning in Georgia: A geographic information system analysis” *Applied Geography* 2013; 37:11-22
10. Asonganyi E, Vaghasia M, Rodrigues C, Phadtare A, Ford A, Pietrobon R, **Lynch CA** (2013) Factors Affecting Compliance with Clinical Practice Guidelines for Pap Smear Screening among Healthcare Providers in Africa: Systematic Review and Meta-Summary of 2045 Individuals. *PLoS ONE* 8(9): e72712. doi:10.1371/journal.pone.0072712
11. N. Periyasamy, **CA Lynch**, SD Dharmaratne, DB Nugegoda, T Ostbye. Under reporting of road traffic injuries in the district of Kandy, Sri Lanka. *BMJ Open* 2013; 3(11): e003640 doi:10.1136/bmjopen-2013-003640

12. Vu A, Duber H, Sasser SM, Hansoti B, **Lynch CA**, Khan A, Johnson T, Hargarten S. "Emergency Care Research Funding in the Global Health Context: Trends, Priorities and Future Directions." *Acad Emerg Med*, 2013 Dec; 20(12):1259-1263 doi: 10.1111/acem.12267.
13. Sumner SA, Pallangyo AJ, Reddy EA, Maro V, Pence BW, **Lynch C**, et al. Effect of free distribution of safety equipment on usage among motorcycle-taxi drivers in Tanzania- A cluster randomised controlled trial. *Injury* 2014.
14. De Andrade L, Vissoci FRN, Finato K, Rodrigues CG, Carvalho E, Pietrobon R, de Souza EM, Nihei OK, **Lynch CA**, Carvalho MDB. Brazilian Road Traffic Fatalities: A Spatial and Environmental Analysis. *PLoS ONE* 9(1): e87244. doi:10.1371/journal.pone.0087244
15. Hertz JT, Reardon JM, Rodrigues CG, de Andrade L, Limkakeng AT, Bloomfield G, **Lynch CA**. (2014) Acute Myocardial Infarction in Sub-Saharan Africa: The Need for Data. *PLoS ONE* 9(5): e96688. doi:10.1371/journal.pone.0096688
16. M Wijeratne, R. Seneviratne, N Gunawardena, **C Lynch**, IF Sandoy, T Ostbye. Correlates of Peer Violence Among 13-to 15-Year Olds in Gampaha District Schools in Sri Lanka: Findings From a Comparison Between Violent and Non-Violent Adolescents. *Sage Open* 2014 4:. DOI: 10.1177/2158244014550616
17. de Andrade L, **Lynch C**, Carvalho E, Rodrigues CG, Vissoci JR, Passos GF, et al. System dynamics modeling in the evaluation of delays of care in ST-segment elevation myocardial infarction patients within a tiered health system. *PloS One* 2014;9(7):e103577.
18. Wijeratne M, Seneviratne R, Gunawardena, Ostbye T, **Lynch C**, Sandoy IF. Development of the Sri Lankan Early Teenagers' Violence Inventory: An Instrument to Measure Peer Violence in Schools. Hindawi Publishing Corporation. *BioMed Research International*. 2014 Article ID 563143, <http://dx.doi.org/10.1155/2014/563143>
19. **Staton CA**, Msilanga D, Kiwango G, C, Vissoci JRN, de Andrade L, Lester R, Hocker MB, Gerardo CJ, Mvungi M, (2015) A prospective registry evaluating the epidemiology and clinical care of Traumatic Brain Injury patients and the way forward, *International Journal of Injury Control and Safety Promotion*, DOI: 10.1080/17457300.2015.1061562
20. **Staton CA**, Vissoci JRN, Gong E, et al. (2016) Road Traffic Prevention Initiatives; a systematic review and meta-summary of effectiveness in low and middle income countries, *PLoS One*, <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0144971>
21. **Staton C**, De Silva V, Krebs E, Andrade L, Rulisa S, Mallawaarachchi B, Jin K, Vissoci J, Ostbye T. High Road Utilizers Surveys Compared to Police Data for Road Traffic Crash Hotspot Localization in Rwanda and Sri Lanka. 2015 *BMC Public Health*, 16:53, DOI: 10.1186/s12889-015-2609-1
22. Reardon JM, Harmon KJ, Schult G, **Staton CA**, Waller AE. Use of diagnostic codes for detection of clinically significant opioid poisoning in the emergency department: A

retrospective analysis of a surveillance case definition. BMC Emergency Medicine. 2016, 16:11 DOI: 10.1186/s12873-016-0075-4

23. JRN Vissoci, L Andrade, AP Batilana, E Carvalho, AC Oliveira, PRS Calvo, MM Haglund, **CA Staton**. Improving Interdisciplinary Research Through Educational Trading Zones: A Mixed Methods Approach To Evaluating Communication Patterns Between Physicians and Statisticians. (2016) Revista Eletrônica Gestão & Sociedade, v.10, n.25, p. 1164-1180
24. Patel A, Krebs E, Andrade L, Rulisa S, Vissoci JRN, **Staton CA**. The epidemiology of road traffic injury hotspots in Kigali, Rwanda from police data. BMC Public Health, 2016. **16**: p. 697.
25. Tran TM, Farber SH, Vissoci JRN, Fuller AT, Butler EK, Andrade L, **Staton C**, Makumbi F, Luboga S, Muhumuza C, Chipman JG, Galakande M, Haglund MM. Geographic access and relationship to unmet surgical need in Uganda: a geospatial analysis of a household survey on burden of surgical conditions in Uganda. Annals of Global Health, 2016 82:3 564-565
26. Farber SH, Vissoci JRN, Tran TM, Fuller AT, Butler EK, Andrade L, **Staton CA**, Makumbi F, Luboga S, Muhumuza C, Namanya DB, Chipman JG, Galukande M, Haglund MM. Geospatial Analysis of unmet surgical need in Uganda: an analysis of SOSAS survey data. World J Surg (2016). doi:10.1007/s00268-016-3689-5
27. Patel A, Abraham J, Reid N, Tran T, Tomecsek K, Vissoci JRN, Vieira MMC, Eucker S, Gerardo CJ, **Staton CA**. Quality of the Development of Traumatic Brain Injury Clinical Practice Guidelines; A systematic Review. PloS One (2016) PloS one 11 (9), e0161554
28. Stankevitz K, **Staton CA**, Schoenfisch A, De Silva V, THarindra H, Stroo M, Ostbye T. Prevalence of occupational injury and its contributing factors among rubber tappers in Galle, Sri Lanka. International Journal of Occupational and Environmental Health, 2016 1-8
29. Dezman Z, de Andrade L, Vissoci JR, El-Gabri D, Johnson A, Hirshon HM, **Staton CA**. Hotspots and causes of motor vehicle crashes in Baltimore, Maryland: A geospatial analysis of five years of police crash and census data. Injury 47(11), 2450-2458

2. Books: N/A

3. Chapters in books:

1. Shayne P, **Lynch C**. 'Chapter 62: Hypertensive Crisis', Adams et al, (Eds) Emergency Medicine, 2nd edition
2. Mould-Millman CN, **Lynch C**, Chapter: International Emergency Medicine, AAEM/RSA Rules of the Road for Medical Students, 2nd Edition
3. Meier B, Staton C. **Sepsis Resuscitation in Resource Limited Settings**.

4. Abstracts:

1. **Lynch C**, Crape B, Tadevosyan M, Lyman T, Chekijian S. Road Traffic Injury Hotspot Localization in Yerevan, Armenia. *Ann of Emerg Med*, 54, 3, S40, 2009.
2. Evans L, **Lynch C**, Dodge K, Lin Z, Moore C. Ultrasound Guidance Improves Success of Central Venous Catheterization by Junior Residents. *AEM*, 2009
3. Evans L, **Lynch C**, Dodge K, Lin Z, Moore C. Ultrasound Guidance Improves Success of Central Venous Catheterization By Junior Residents. Poster presentation, New England Research DS, Worcester Massachusetts, Moderated Discussion, Society for Academic Emergency Medicine New Orleans, 14 May 2009
4. Schenk E, **Lynch C**, Mahoque R, Sasser S. The Impact of Alcohol Consumption on Road Traffic Injured Patients' Injury Severity and Hospital Length of Stay in Maputo, Mozambique, *Acad Emerg Med.*, 18 (5) S129, 2011.
5. Pinto L, **Lynch C**, Mahoque R, Keyes C, Sasser S, Wright D. Healthcare workers knowledge, attitudes and practices on Child Maltreatment in Maputo Mozambique, *Acad Emerg Med.*, 18 (5) S72, 2011.
6. **Lynch C**, Houry D, Wright D. Racial Outcome Inequalities for Moderate to Severe Traumatic Head Injury, *Acad Emerg Med.*, 18 (5) S180, 2011.
7. Mould-Millman NK, **Lynch CA**, Sasser SM, Isakov A. Education of Emergency Medical Technicians in Accra, Ghana: A Basic Trauma Knowledge Assessment. African EM Conference, Cape Town, South Africa, Nov 2011
8. **Lynch CA**, DeMers G. Childhood Drowning in Georgia. American College of Emergency Physicians, November 2011
9. Periyasamy N, **Lynch CA**, et al. The incidence of road traffic injuries in Kandy, Sri Lanka, World Safety Conference, Wellington New Zealand 2012
10. Periyasamy N, **Lynch CA**, et. al. The economic impact of road traffic injuries on households in Kandy, Sri Lanka' World Safety Conference, Wellington New Zealand 2012
11. Monica H. Swahn, Ph.D., Lindsay Gressard, Jane B. Palmier, J.D., M.P.H., Rogers Kasirye, **Catherine Lynch, M.D.**, Huang Yao, M.A. Victimization and Perpetration with Weapons among Youth in the Slums of Kampala, Uganda; American Society of Criminology, November 2012
12. **Lynch C**, Schenk E, Taibo C, de Costa A, Machado C, Chilundo B, Sasser SM, Wright DW. Implementation of a Clinical Trauma Registry as a Quality Improvement Measure at Maputo Central Hospital, Maputo Mozambique; African Conference in Emergency Medicine. November 2012
13. P. Nithershini, SD Dharmaratne, **Lynch C**, Nugegoda B, T. Ostbye. Cost of Care Relating to Road Traffic Injuries in Two Tertiary Care Centers in the District of Kandy, Sri Lanka, Society of Academic Emergency Medicine May 2013
14. Wijeratne M, **Lynch C**, T. Ostbye, Prevalence of Peer Violence Among Adolescents in Gampaha District Schools in Sri Lanka, Society for Advancement of Injury and Violence Research, June 2013

15. Wijeratne M, **Lynch C**, T. Ostbye, Risk Factors for Peer Violence Among Adolescents in Gampaha District Schools in Sri Lanka, Society for Advancement of Injury and Violence Research, June 2013
16. Andrade L, **Lynch C**, Rodrigues CG, Vissocci JRN, Brito F, Barbeito A, Nihei OK, Carvalho M. Brazil's STEMI emergency treatment—Where are the delays in door to balloon time? Advancing Surgical and Anesthesia Practices Globally, September 2013
17. P. Nithershini, SD Dharmaratne, **Lynch C**, Nugegoda B, T. Ostbye. Cost of Care Relating to Road Traffic Injuries in Two Tertiary Care Centers in the District of Kandy, Sri Lanka, Advancing Surgical and Anesthesia Practices Globally, September 2013
18. Kiwango G, Msilanga D, Gerardo C, Hocker M, Lester R, Mvungi M, Ntabaye M, **Lynch C**. "Epidemiology of Traumatic Brain Injury Patients at Kilimanjaro Christian Medical Center Moshi, Tanzania" Advancing Surgical and Anesthesia Practices Globally, September 2013
19. Kiwango G, Msilanga D, Gerardo C, Hocker M, Lester R, Mvungi M, Ntabaye M, **Lynch C**. "Epidemiology of Traumatic Brain Injury Patients at Kilimanjaro Christian Medical Center Moshi, Tanzania" Emergency Medicine Society of South Africa, November 2013
20. Kiwango G, Msilanga D, Gerardo C, Hocker M, Lester R, Mvungi M, Ntabaye M, **Lynch C**. "Epidemiology of Traumatic Brain Injury Patients at Kilimanjaro Christian Medical Center Moshi, Tanzania" Society of Academic Emergency Medicine, Dallas Texas, May 2014
21. "High risk alcohol use among injury patients in Moshi, Tanzania", Innovation and Collaboration for Surgical Disease in Uganda, September 2015
22. "Proven Road Traffic Injury Prevention Initiatives: a systematic review and meta-analysis of effectiveness in low and middle income countries." Innovation and Collaboration for Surgical Disease in Uganda, September 2015
23. Vijitha De Silva, Hemajith Tharindra, Joao Ricardo Vissoci, Luciano Andrade, Badra Chandanie Mallawaarachchi, Truls Østbye, **Catherine A. Staton**. "The Epidemiology of Road Traffic Crashes and Hot Spots based on local police data in Galle, Sri Lanka." EuSEM 10-14 October 2015, Torino, Italy.

5. Non-refereed publications: (Non-refereed publications are those that frequently solicit articles and do not routinely use a system of critical review prior to publication.)

1."A Dangerous Diagnosis in an Asymptomatic Patient: Case Quiz"
<http://reference.medscape.com/features/slideshow/asymp-diagnosis>

2. "Burning Pain With a Spreading Rash and Blisters: Case Quiz"
<http://reference.medscape.com/features/slideshow/vzv>

3. "An Underlying Syndrome Masked by COPD Exacerbation: Case Quiz"

<http://reference.medscape.com/features/slideshow/hem-owr>

4. “Progressive Respiratory Disturbances and Fever in an HIV+ Man” Case Quiz”

<http://reference.medscape.com/features/slideshow/resp-hiv>

5. “A Worrisome ECG Demanding Timely Action: Case Quiz”

<http://reference.medscape.com/features/slideshow/aortic-diss>

6. Published Scientific Reviews N/A

7. Position and background papers N/A

8. Non-authored publications:

i. print

ii. digital:

1. “A 73-year-old Man with a mild Headache” <http://www.medscape.org/viewarticle/732960>

2. “Case Quiz: A Deadly Cause of Vomiting in a Newborn”

<http://reference.medscape.com/features/slideshow/vomiting-newborn>

3. “A Child with Recurrent Fever and Cough” <http://www.medscape.org/viewarticle/717592>,

4. “An Uncommon Cause of Chest Pain in a Healthy Young Man”

<http://www.medscape.org/viewarticle/702661>

5. “A 16-year-old boy with a fever of unknown origin”

<http://www.medscape.org/viewarticle/708611>

6. “A 3-Year-old boy with Intense Itching” <http://www.medscape.org/viewarticle/582674>

7. “Fever and Joint Pain in a 48-year-old Man”

<http://reference.medscape.com/viewarticle/731857>

8. “A 25-year-old Woman with Hypotension and a Rash”

http://www.medscape.org/viewarticle/588074_2

9. “A 14-year-old girl with Purulent Ear Discharge and Double Vision”

<http://www.medscape.org/viewarticle/707019>

10. “A Serious Diagnosis With a Common Presentation: Case Quiz”

<http://reference.medscape.com/features/slideshow/serious-diagnosis>

11. “Alarming Neurologic Symptoms of a Common Disease: Case Quiz”

<http://reference.medscape.com/features/slideshow/neuro-symptoms>

12. “Strange Skin Patches with Syncope and Palpitations: Case Quiz”

<http://reference.medscape.com/features/slideshow/skin-patches>

13. “Asymptomatic Macules and An Ulcerated Shoulder in an Elderly Woman”

<http://reference.medscape.com/viewarticle/740003>

14. "Something is 'off' in this Elderly Man"
http://reference.medscape.com/viewarticle/733326_2
15. "A 40-Day-old boy with Facial Swelling" <http://www.medscape.org/viewarticle/701898>
16. "An unusual presentation of recurrent iron-deficiency anemia"
<http://www.medscape.org/viewarticle/701619>
17. "Unexplained Refractory Fevers in a 14-year old boy"
<http://www.medscape.org/viewarticle/710208>
18. "Vague Symptoms Belying a Possibly Severe Condition: Case Quiz"
<http://reference.medscape.com/features/slideshow/vague-symptoms>
19. "Worrisome Developments Following Heart Transplantation: Case Quiz"
<http://reference.medscape.com/features/slideshow/worrisome-developments>
20. "Systematic Symptoms Masking a Sinister Etiology: Case Quiz"
<http://reference.medscape.com/features/slideshow/sinister-etiology>
21. "Case Quiz: Puzzling Palpitations in an Acute Cardiac Emergency"
<http://reference.medscape.com/features/slideshow/heart-palpitations>
22. "Bloody Diarrhea and Pain in a Poentially Deadly Abdominal Condition: Case Quiz"
<http://reference.medscape.com/features/slideshow/colo-intuss>
23. "An Atypical and Potentially Deadly Abdominal Emergency: Case Quiz"
<http://reference.medscape.com/features/slideshow/abdominal-emergency>
24. "A Simple UTI? An Easily Missed Diagnosis: Case Quiz"
<http://reference.medscape.com/features/slideshow/simple-uti>
25. "Case Quiz: An Alarming Cause of Free Intraperitoneal Fluid and Hemodynamic Instability" <http://reference.medscape.com/features/slideshow/free-intraperitoneal-fluid>
26. "An Elusive Cause of Severe Recurrent Flank Pain: Case Quiz"
<http://reference.medscape.com/features/slideshow/recurrent-flank-pain>

9. Other

Consutant appointments: (Include US government, state, private organizations etc N/A

Scholarly societies (Alpha Omega Alpha, Sigma Xi, Phi Beta Kappa, etc.): N/A

Professional awards and special recognitions:

2002 Research Fellowship, University of Medicine and Dentistry of New Jersey/Veterans Affairs Medical Center

- 2005 Endowment Scholarship in Honor of Elizabeth Alger, M.D. 1964 Alumni Association of University of Medicine and Dentistry of New Jersey; – New Jersey Medical School
- 2005 Gold Humanism Honor Society presented by the Alumni Association of the University of Medicine and Dentistry of New Jersey, New Jersey Medical School
- 2005 Alexander Gordon, M.D. 1998 Memorial Endowed Scholarship Award, presented by the Alumni Association of the University of Medicine and Dentistry of New Jersey, New Jersey Medical School
- 2007 Johnson & Johnson: Physician Scholars in International Health
- 2011 Duke Global Health Institute Faculty Travel Grant Award
- 2014 Duke Emergency Medicine Faculty Research Award
- 2015 Nominated for the Academy for Women in Emergency Medicine, Society of Academic Emergency Medicine, Outstanding Early Career Award
- 2015 Duke Emergency Medicine Faculty Research Award
- 2016 Nominated for the American Association of Women Emergency Physician, American College of Emergency Physicians
- 2016 Nominated Outstanding Postdoc Mentor at Duke University
- 2016 Nominated for Society of Academic Emergency Medicine's Young Investigator Award

Editorial Experience

a. Editorial Boards

Academic Editor: PLoS One

**Journal Reviewer: PLoS One
BMJ Open
Pediatrics
Medicine
Western Journal of Emergency Medicine
Academic Emergency Medicine
International Journal of Public Health**

b. AdHoc scientific review journals

Organizations and participation: (Offices held, committee assignments, etc.)

- 2005- Present American College of Emergency Physicians, National, Member
- 2005- Present Society of Academic Emergency Medicine, National Member
- 2005-2011 Society of Academic Emergency Medicine, Global Health Interest Group, Member
- 2009- 2011 Emory University, Department of Emergency Medicine, Trauma Committee
- 2009- 2011 Emory University, Department of Emergency Medicine, Research Committee
- 2011- Present Society of Academic Emergency Medicine, Research Committee Member
- 2011- Present Society of Academic Emergency Medicine, Global Emergency Medicine Academy;
- 2011 Society of Academic Emergency Medicine, Global Emergency Medicine Academy; Development Officer
- 2012- Present American Public Health Association, National Member
- 2012- 2013 Co-Director of the Section of EM Global Health, Division of Emergency Medicine, Duke University Medical Center

2013-Present Director of the Section of EM Global Health, Division of Emergency Medicine,
Duke University Medical Center
2012-Present Member, Society for Advancement of Violence and Injury Research

Areas of Resaerch interests (basic and applied)

1. Global Injury Prevention
2. Quality Improvement
3. Health System Research
4. Substance Use and Mental Health research

External support (past and present) - gifts, grants, and contracts:

Past

- **NIAAA Contract: Alcohol Use amongst Injury Patients in KCMC ED**

	<u>PI</u>	<u>%Effort</u>	<u>Purpose</u>	<u>Approximate Amount</u>	<u>Duration</u>
a) Past:	Sasser	80%	Development of trauma registry at Hospital Central de Maputo in Maputo, Mozambique	\$75,000	2 years
	Sasser	0%	Development of an Injury Control Research Center, Mozambique	\$10,000	1 year
	Staton	0%	Childhood Drowning in Georgia	\$10,000	1 year
	Staton	0%	Alcohol Use amongst Injury Patients in KCMC ED	\$10,000	1 year
	Staton	0%	Improving Outcomes for TBI	\$25,000	2 years
b) Present:	Staton	75%	Addressing High Risk Alcohol Use Amongst Injury Patients in the Emergency Department, KCMC	\$500,000	4 years
	Staton	0%	Vulnerable Road Users Traffic Injury Hotspots, Tanzania	\$25,000	1 years
	Staton	0%	Vulnerable Road Users Traffic Injury Hotspots, Sri Lanka & Rwanda	\$50,000	2 years
	Staton	0%	Mental Health Amongst TBI Patients at KCMC	\$25,000	1 year
c) Pending:	N/A				

Mentoring activities

i. Faculty

Joao Ricardo Vissoci, PhD,
Julian Hertz, MD
Elizabeth Krebs, MD MScGH

Assistant Professor of Emergency Medicine
Clinical Instructor of Emergency Medicine
Assistant Professor of Emergency Medicine

ii. Fellows, doctoral students, post docs

Post Doctoral Students Fogarty International Fellows:

2009- 2011	Antonio Mujovo, M.D.	Maputo, Mozambique
2009- 2011	Jeronimo Mufume, M.D.	Maputo, Mozambique
2009-2011	Carlos Machado, M.D.	Maputo, Mozambique
2009- 2011	Catia Fattahe Taibo, M.D.	Maputo, Mozambique
2009- 2011	Antonio Assis de Costa, M.D.	Maputo, Mozambique
2009- 2011	Raquel Mahoque, M.D., M.P.H.	Maputo, Mozambique
2009-2011	Eunice Jetha, M.D., M.P.H.	Maputo, Mozambique

2009-2012 Liliana Pinto, D.D.S. Maputo, Mozambique

Emory University School of Medicine:

2010- 2012 Nee-Kofi Mould-Millman, MD Global Health Fellow, Emory University

Duke Global Health Visiting Scholars, Doctoral and Post Doctoral Students:

2011- 2014 Dr. N. Periyasamy Institute of Post Graduate Sciences, U of Columbo, Sri Lanka,
Incidence of Road Traffic Injuries in the District of Kandy, Sri Lanka, and its
Economic Impact to the Household and to the State

2012- 2014 Dr. Monika Wijertne Institute of Post Graduate Sciences, U Columbo, Sri Lanka
Violence amongst School Age Adolescents

2012- 2013 Luciano de Andrade State U of Western Parana, Foz do Iguacu, Parana, Brazil
System Dynamics Modeling in the Evaluation of Delays in Care of ST Segment
Myocardial Infarction Patients within a Tiered Health System
Brailian Road Traffic Fatalities: A spatial and environmental analysis

2015- Present Elias Carvalho University of Maringa, Maringa Brazil
Traumatic Brain Injury In Brazil: how socioeconomic demographic characteristics
impact rates and outcomes of Traumatic Brain Injury

2015-Present Joao Ricardo Vissoci University of Inga Faculty of Medicine, Maringa Brazil

EM Global Health Fellows

2013-2015 Elizabeth Krebs, MD GH Fellow, Hubert-Yeargan Center
“Developing a Clinical Practice Guideline in Kigali Rwanda.”

2015-Present Brian Meier, MD GH Fellow, Hubert-Yeargan Center
“Understanding Pain Management amongst Injury Patinets in Moshi, Tanzania”

2016-Present Sophie Galson, MD GH Fellow, Hubert-Yeargan Center

iii. Duke Global Emergency Medicine Residents

2011-2013 Neel Kapadia MD, MBA EM Resident
Access to Alcohol in Tanzania, Nov 2012

2012- 2014 Elizabeth Krebs, MD GH Fellow, Hubert-Yeargan Center
Improving the Acute Care of Traumatic Brain Injury at Central Hospital of Kigali,
Kigali Rwanda

2012- 2015 John Abraham, MD EM Resident
“A Quality Evaluation of Traumatic Brain Injury Clinical Practice Guidelines, A
Systematic Review”, 2012- current

2012- 2015	Anjni Patel, MD	EM Resident
	“A Quality Evaluation of Traumatic Brain Injury Clinical Practice Guidelines, A Systematic Review”, 2012- current	
	“Understanding Delays to Care amongst EMS Injury patients in Maringa, Brazil” 2015- present	
2013- 2016	Joseph Reardon, MD	EM Resident
	“The North Carolina Emergency Department Poisoning Surveillance Project: An Assessment and Quality Improvement Initiative to Evaluate and Improve Poisoning and External Cause of Injury Reporting by Acute-Care Emergency Departments in North Carolina.” 2013-current	
2014- 2017	Daniel Shogilev, MD	EM Resident
	“Systematic Review of the Prevalence of RTI fatalities in Sub Saharan Africa” 2013-Present	
2016- Present	Taylor Nelp, MD	EM Resident

Graduate Students

Rollins School of Public Health Global Health Students:

2009-2011	Ellen Schenk	Maputo, Mozambique
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Duke University Graduate School Students

2012- 2013	Jason Woo	Fuqua School of Buisness Student (MD/MBA candidate)
2011- 2012	Neeraja Penumetcha	Masters of Science, GH; Duke Global Health Institute Proposed Method to Evaluate the Health Impact of Capacity Building for Medical Equipment Repair and Maintance in Rwanda
2011- 2013	Christina Dideriksen	Masters of Science, GH; Duke Global Health Institute Evaluating the effectiveness of applied theatre for health education among adolescents in Moshi, Tanzania
2012-2014	Elizabeth Krebs	Masters of Science, GH; Duke Global Health Institute Improving the Acute Care of Traumatic Brain Injury at Central Hospital of Kigali, Kigali Rwanda
2013-2015	Tendai Kwaramba	Masters of Science, GH; Duke Global Health Institute Understanding Family and Interpersonal Violence Epidemiology and Underreporting in Parana Brazil
2013-2015	Claire Rotch	Masters of Science, GH; Duke Global Health Institute Determining Current Access to Care and Barriers to Care for Acute Injury Patients at Kilimanjaro Christian Medical Center, KCMC Moshi, Tanzania
2013-2015	Enying Gong	Masters of Science, GH; Duke Global Health Institute Road Traffic Injury Hotspots in Galle Sri Lanka

- 2014-2016 Nicole Toomey Masters of Science, GH; Duke Global Health Institute
Examining factors affecting care seeking for injury patients, Maringa Brazil
- 2015-2017 Deena El-Gabri Masters of Science, GH; Duke Global Health Institute
Understanding violence against women, Tanzania/Egypt

Duke University Undergraduate Students

- 2013-2014 Saffana Humaira, Economics and Computer Science
Summer Research Training Program- Sri Lanka:
Built Environment Analysis for Road Traffic Hotspots
- 2013-2014 Thao Nguyen, Global Health and Arabic
Summer Research Training Program- Sri Lanka:
Built Environment Analysis for Road Traffic Hotspots
- 2013-2014 Elizabeth Ginalis, Neuroscience Major, Global Health Minor
Summer Research Training Program- Sri Lanka:
Built Environment Analysis for Road Traffic Hotspots

Education / Teaching activities (Residents, Medical students, CME)

- i. Teaching and supporting Learners (See form)**
- ii. Development of courses/educational programs**
 - a. Duke Global Health Institute Masters of Science Semester Course:
Global Injury Prevention and Control
- iii. Development of assessment tools and methods**
- iv. Education management/ Leadership**

Invited Lectures and Presentations

- i. Named Lectures**
 - a. **Beyond Acute Care: Putting Prevention in Emergency Medicine;** 10-Year Duke Emergency Medicine Anniversary Celebration, June 2012
- ii. Visiting Professorships**
 - a. **The way forward: Topics in Global Injury Prevention Research;** University of Maryland Department of Emergency Medicine, Trauma and Emergency Care Research Seminar, May 2015
- iii. International Meetings**
 - a. **Promising Traumatic Brain Injury Research in Moshi, Tanzania;** African Conference of Emergency Medicine, Cairo, Egypt
 - b. **Trauma: The Newest Epidemic;** The Brazilian Society of Orthopedists and Traumatologists, Sao Paulo, Brazil, 20 Nov 2015
 - c. **Alcohol Amongst Injury Patients at KCMC;** Kilimanjaro Christian Medical Center Moshi, Tanzania, Grand Rounds, 7 July 2015
 - d. **Global Injury Research;** University of Inga, Faculty of Medicine, Maringa, Brazil, May 2015

- e. **Bringing Research into Clinical Practice:** University of Inga Faculty of Medicine, State University of Maringa, Maringa, Brazil, May 2015
 - f. **Alcohol Research amongst high risk groups;** “Illuminating Sociobehavioral Sciences Research in HIV” Kilimanjaro Christian Medical Center, February 2015
 - g. **Addressing Injury and Injury Care:** Ground Rounds, Clinical Case Conference Kilimanjaro Christian Medical Center, Moshi, Tanzania February 2015
 - h. **Research & Innovation in Global Health:** University of Inga, Faculty of Medicine, Maringa, Brazil, August 2014
 - i. **Improving Outcomes for TBI patients in Tanzania:** Clinical Case Conference/Ground Rounds, Kilimanjaro Christian Medical Center, February 2014
 - j. **“Sepsis, An Update”** Grand Rounds, St. Stephans Hospital, Delhi, India, May 2011
 - k. **“Acute Respiratory Distress Syndrome”** Grand Rounds, St. Stephans Hospital, Delhi, India May 2011
 - l. **Pediatric Fever: Liberia;** Grand Rounds, JFK Medical Center, Monrovia, Liberia, 2007
- iv. **National Scientific Meetings (invited)**
- a. **Injury Care: A platform for Global Emergency Care and Health System Development;** Alliance for Surgery and Anesthesia Presence, 4th Annual Meeting; Building Sustainable Surgical Systems, November 11, 2011
- v. **Instructional Courses, workshops, symposiums (National)**
- a. **Domestic Violence & Teen Bullying;** North Florida Regional Continuing Medical Education, Destin, Florida, April 20, 2011

Teaching responsibilities including continuing education:

Medical Student Teaching

- Asthma, Orot Medical School Asmara, Eritrea, 2007
- Journal Club, Orot Medical School, Asmara, Eritrea, 2007
- Weekly Simulation Training, Yale University Emergency Medicine Simulation Center, 2009
- Weekly Mini-Simulation Training, Yale University Emergency Medicine Simulation Center, 2009
- Global Injuries Symposium, Duke University School of Medicine Global Health and Policy Week, 2014
- Disaster Medicine, Duke University School of Medicine Global Health and Policy Week, 2015

Graduate School Program

- *“Global Injury Control and Prevention”, Spring 2015*
Semester long Course
Student Evaluations: Overall 4.6/5.0
Duke Global Health Institute Masters of Science, Global Health

- “*Global Injury Prevention and Safety Promotion*”
Course: Global Health Challenges, Chris Woods
Duke Global Health Institute, Duke University
October 2013
- “*Global Injury Prevention and Safety Promotion*”
Course: Global Health Challenges, Chris Woods
Duke Global Health Institute, Duke University
October 2012
- “*GIS applications for Emergency Care, Injury and Injury Prevention*”
Course: Intro to Geographic Information Systems
Department of Geosciences; Georgia State University; November 2010

Clinical Residency Program

- “Ultrasound Guided Pericardiocentesis”,
Bedside Lecture Series
John F. Kennedy Medical Center; Monrovia, Liberia; 2005
- “Clinical Cases: Liberia”
Section of Emergency Medicine, Department of Surgery,
Yale School of Medicine; Yale University; New Haven, CT
International Medicine Panel, 2006
- “Pediatric Glomerular Diseases”
Section of Emergency Medicine, Department of Surgery
Yale School of Medicine; Yale University; New Haven, CT; 2006
- “The Utilization of Capnography in the Emergency Department”
Section of Emergency Medicine, Department of Surgery
Yale School of Medicine; Yale University; New Haven, CT; 2006
- “Rheumatic Heart Disease and other Valvular Emergencies”
Section of Emergency Medicine, Department of Surgery,
Yale School of Medicine; Yale University; New Haven, CT; 2007
- “Pediatric Trauma”
Section of Emergency Medicine, Department of Surgery
Yale School of Medicine; Yale University; New Haven, CT; 2008
- “Eritrea: Emergency Care Capacity”
Section of Emergency Medicine, Department of Surgery
Yale School of Medicine; Yale University; New Haven, CT
International Medicine Panel, 2008

- “Polytrauma Treatment”
Department of Anesthesia and Critical Care Medicine
Grigor Luchovorich Hospital; Yerevan, Armenia; 2009
- “Stroke: the Acute Management”
Department of Anesthesia and Critical Care Medicine
Grigor Luchovorich Hospital; Yerevan, Armenia; 2009
- “Sepsis: Early Goal Directed Therapy Protocols”
Department of Anesthesia and Critical Care Medicine
Grigor Luchovorich Hospital; Yerevan, Armenia; 2009
- “Penetrating Neck Trauma: Management of Injuries”
Department of Anesthesia and Critical Care Medicine
Grigor Luchovorich Hospital; Yerevan, Armenia; 2009
- “Bedside Ultrasound- a bedside overview”
Department of Anesthesia and Critical Care Medicine
Grigor Luchovorich Hospital; Yerevan, Armenia; March 24, 2009
- “Global Health Perspectives, Tbilisi and Yerevan”
Section of Emergency Medicine, Department of Surgery
Yale School of Medicine; Yale University; New Haven, CT; 2009
- “Disorders of Glucose Metabolism”
Republic of Georgia Emergency Medicine Mini-Residency
Tbilisi, Georgia; 2009
- “Anaphylaxis”
Republic of Georgia Emergency Medicine Mini-Residency
Tbilisi, Georgia; 2009
- “Hematology/ Oncology Topics”
Republic of Georgia Emergency Medicine Mini-Residency
Tbilisi, Georgia; 2009
- “Thyroid Disorders”
Republic of Georgia Emergency Medicine Mini-Residency
Tbilisi, Georgia; 2009
- “Adrenal Disorders”
Republic of Georgia Emergency Medicine Mini-Residency
Tbilisi, Georgia; 2009
- “Transfusions”
Republic of Georgia Emergency Medicine Mini-Residency
Tbilisi, Georgia; 2009

- “Overcrowding, A National Emergency”
Section of Emergency Medicine, Department of Surgery
Yale School of Medicine; Yale University; New Haven, CT; 2009
- Acute Trauma Care Course
Maputo Mozambique; November 2009
- Invasive Procedure Didactics
Department of Emergency Medicine
Emory School of Medicine; 2010
- “Neck Trauma: Assessment and Management”
ENT, Surgery, Anaesthesia, Emergency Department
St. Stephens Hospital; Delhi, India; 2011
- “Trauma in Pregnant Patients and Pediatrics”
OB/GYN, Pediatrics, Emergency Departments
St. Stephens Hospital; Delhi, India; 2011
- “Chest Pain, A Diagnostic Approach”
Medicine, Emergency, Chest and Cardiology
St. Stephens Hospital; Delhi, India; 2011
- “CPC: A man with a rash”
Division of Emergency Medicine, Department of Surgery
Duke University Medical Center, Durham NC, 4/2012
- “Global Emergency Care, Duke and Beyond...”
Division of Emergency Medicine, Department of Surgery
Duke University Medical Center, Durham NC, 4/2012
- “Ectopic Pregnancy”
Division of Emergency Medicine, Department of Surgery
Duke University Medical Center, Durham NC, 8/2012
- “Surviving Sepsis”: Clinical Practice Guidelines
Division of Emergency Medicine, Department of Surgery
Duke University Medical Center, Durham NC, 8/2013
- “Global Health Topics and Ethics”
Division of Emergency Medicine, Department of Surgery
Duke University Medical Center, Durham NC, March 2015
- Global Health and Emergency Medicine
Duke University Medical School, Global Health Interest Group, Spring 2015

Clinical activity - type of practice and estimate of time commitment:

Emergency Medicine practice, 25% FTE

Participation in academic and administrative activities of the University and Medical Center:

- i. Administrative positions**
- ii. Committees**
- iii. Leadership positions**

Signature of Chairman

Date

Personal Information

Faculty members' preferred familiar name: Catherine Staton

Home address: 2813 Montgomery St. Durham, NC 27705 **Cell Phone#:** 9088729208

Marital status: Married

Name of spouse: John Staton

Work status: Employed, Clinical Research

Children: (names and ages) Madeline Lucia Staton born March 31, 2016

E-mail Address: catherine.staton@duke.edu

Webpage Address: n/a