

## Curriculum Vitae

Kyle Denison Martin, DO, MA, MPH, DTM&H, CTropMed, FACEP

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### Education:

Undergraduate	Michigan State University Bachelor of Arts in English Aug 2001-May 2006 Highest Honors, MSU Honors College  Michigan State University Bachelor of Arts in Journalism Aug 2001-May 2006 Highest Honors, MSU Honors College
Graduate School	Michigan State University College of Human Medicine Master of Arts in Bioethics, Humanities, and Society Aug 2006-May 2008  Michigan State University College of Human Medicine Master of Public Health (International Health) June 2008-Aug 2011
Medical School	Michigan State University College of Osteopathic Medicine (MSUCOM) Doctor of Osteopathic Medicine June 2008-May 2013
Additional Certificates or Degrees	London School of Hygiene & Tropical Medicine Diploma in Tropical Medicine & Hygiene (DTM&H) - East Africa  American Society of Tropical Medicine & Hygiene Certificate of Knowledge in Clinical Tropical Medicine and Travelers' Health (CTropMed)  Harvard Humanitarian Initiative, Harvard University Certificate in Humanitarian Response Intensive Course (HRIC)  London School of Hygiene & Tropical Medicine Certificate in Multidisciplinary Approaches to Non-Communicable Disease (NCDs)

Post-Graduate Training:

Residency	<i>Emergency Medicine</i> Henry Ford Macomb Hospital Clinton Township, Michigan July 2013-June 2017
Fellowship	<i>Global Emergency Medicine</i> Warren Alpert Medical School of Brown University Providence, Rhode Island Aug 2017-July 2019

Post-Graduate Honors and Awards:

2008	Graduate Student Leader of the Year Award Department of Student Life, Michigan State University
2010	MSUCOM Alumni Association Endowed Scholarship and Award Michigan State University College of Osteopathic Medicine
2011	Student DO of the Year Michigan State University College of Osteopathic Medicine
2012	Homer Higbee International Education Award International Studies and Programs, Michigan State University
2012	MSUCOM Alumni Association Endowed Scholarship and Award Michigan State University College of Osteopathic Medicine
2013	Paul S. McCord Memorial Scholarship for Commitment to Underserved Communities Michigan State University College of Osteopathic Medicine
2017	Osteopathic Resident Physician of the Year Michigan Osteopathic Association (MOA)
2021	RI ACEP Award for Educational Excellence Rhode Island Chapter, American College of Emergency Physicians (RI ACEP)
2023	Fellow of the American College of Emergency Physicians (FACEP) American College of Emergency Physicians (ACEP)

Professional Licenses and Certification:

2015-2018	Full Medical License and CSR Michigan Dept of Licensing and Regulatory Affairs
2017-	Full Medical License and CSR Rhode Island Board of Medical Licensure and Discipline

### Academic Appointments:

- 2014-2017      Clinical Instructor  
Department of Emergency Medicine  
Michigan State University College of Osteopathic Medicine  
East Lansing, Michigan
- 2017-2019      Teaching Fellow  
Department of Emergency Medicine  
Warren Alpert Medical School of Brown University  
Providence, Rhode Island
- 2019-2022      Adjunct Assistant Professor  
Department of Emergency Medicine  
The Warren Alpert Medical School of Brown University  
Providence, Rhode Island
- 2019-2022      Core Academic Faculty  
Emergency Medicine Residency Program  
Kent Hospital  
Providence, Rhode Island
- 2020-2022      Clinical Assistant Professor  
Department of Emergency Medicine  
University of New England College of Osteopathic Medicine  
Biddeford, Maine
- 2022-            Assistant Professor  
Department of Emergency Medicine  
The Warren Alpert Medical School of Brown University  
Providence, Rhode Island
- 2022-            Associate Fellowship Director  
Fellowship in Global Emergency Medicine  
Brown University  
Providence, Rhode Island
- 2023-            Core Academic Faculty  
Emergency Medicine Residency Program  
Brown University  
Providence, Rhode Island

### Hospital Appointments:

- 2013-2017      Resident Physician  
Department of Emergency Medicine, Henry Ford Macomb Hospital  
Clinton Township, Michigan

2016-2017 Staff Physician  
Department of Emergency Medicine, McClaren Port Huron Hospital  
Port Huron, Michigan

2019-2022 Staff Physician  
Department of Emergency Medicine, Kent Hospital  
Warwick, Rhode Island

2020-2022 Research Director  
Department of Emergency Medicine, Kent Hospital  
Warwick, Rhode Island

2017-2019,  
2022- Staff Physician  
Department of Emergency Medicine, The Miriam Hospital  
Providence, Rhode Island

2022- Staff Physician  
Department of Emergency Medicine, Newport Hospital  
Newport, Rhode Island

2022- Staff Physician  
Department of Emergency Medicine, Hasbro Children's Hospital  
Providence, Rhode Island

Membership in Societies:

2013- American College of Emergency Physicians (ACEP)  

- International Emergency Medicine Interest Group
- Wilderness Medicine Interest Group

2013- Emergency Medicine Residents Association (EMRA)  

- Alumni Membership

2016- DOCARE International

2018- Society for Academic Emergency Medicine (SAEM)  

- Global Emergency Medicine Academy (GEMA)
- Medical Education Interest Group
- Climate Change & Health Interest Group

2018- American Society of Tropical Medicine & Hygiene (ASTMH)

2019- American Public Health Association (APHA)  

- International Health Interest Group
- Community Health Workers (CHW) Interest Group

2020- Rhode Island Chapter – American College of Emergency Physicians (RI-ACEP)  

- Climate Change & Health Sub-Committee

2022- Wilderness Medical Society (WMS)



### Membership in Humanitarian Organizations:

August 2019-Current    Emergency Response Roster, International Medical Corps (IMC)

### Professional Development:

April 2021-March 2022    Academic Life in Emergency Medicine (ALiEM) Faculty Incubator

### Academic Leadership:

May 2021-Current    Planetary Health Curriculum Integration Task Force  
The Warren Alpert Medical School of Brown University

May 2021-Current    Faculty Advisor  
ECo (Climate Change & Health) Student Group  
The Warren Alpert Medical School of Brown University

Sept 2021-Current    Global Emergency Medicine (GEM) Mentor  
Global Emergency Medicine Leadership Program (GEM LP)  
*Emergency Medicine Residents Association (EMRA)*  
*American College of Emergency Physicians (ACEP)*

### Curriculum Development:

*Climate Change & Emergency Medicine*. Academic Life in Emergency Medicine (ALiEM).

<https://www.aliem.com/climate-change-emergency-medicine/>

- Module-based asynchronous course

### Academic Mentorship:

Summer 2021    Noelle Lee, Summer Research Assistantship  
Medical Student, Warren Alpert Medical School of Brown University

- *Stop the Bleed hemorrhage control trainings in Rwanda with Healthy People Rwanda and the Rwandan police force*

Miriam Marlink and Kaitlyn Wong, UTRA  
Undergraduate Students, Brown University

- *Community Health Worker research in rural Haiti*

Summer 2022    Dominique Dockery, International Independent Study  
Medical Student, Warren Alpert Medical School of Brown University

- *Research on prevalence of peripheral artery disease in Rwanda*

Anne-Emilie Rouffiac, UTRA  
Undergraduate Student, Brown University

- *Trauma Training at District Hospitals in Rwanda*

- Winter 2023
- Oriane Longerstaey, Framework in Global Health Scholarship Fellow, Global Emergency Medicine – Brown University
- *Mass Casualty Training for health care workers in Rwanda*
- Advait Kothare  
Resident Physician – Kent Hospital
- *ATLS simulation scenario development (Rwanda)*
- Jordan Ozolin  
Resident Physician, Emergency Medicine – Brown University
- *Mass Casualty Training for health care workers in Rwanda*
  - *ATLS simulation scenario development (Rwanda)*
- Spring 2023
- Ayla Taylor-Robichaud, UTRA  
Undergraduate Student, Brown University
- *Trauma Training at District Hospitals in Rwanda*
- Summer 2023
- Courtney Bearnot, Framework in Global Health Scholarship  
Resident Physician, Emergency Medicine – Brown University
- *Smartphone device to determine hemoglobin level using photo of patient conjunctiva (Rwanda)*
- Madelyn Clark and Francesca Bragg, Framework in Global Health Scholarship  
Medical Students, Warren Alpert Medical School of Brown University
- *Trauma Training at District Hospitals in Rwanda*
- Emily Wang, Summer Research Assistantship  
Medical Student, Warren Alpert Medical School of Brown University
- *Smartphone device to determine hemoglobin level using photo of patient conjunctiva (Rwanda)*
- Sydney Butler, UTRA  
Undergraduate Student, Brown University
- *Trauma Training at District Hospitals in Rwanda*

University Teaching:

- Summer@Brown 2022
- CEES 0939 – Climate Change & Health: Infections and Inequalities  
Pre-College Course – Brown University  
Providence, Rhode Island
- Fall 2022
- BIOL 6715 – Planetary Health: Environmental Change & Emerging Infectious Disease  
Pre-Clerkship Elective Course – The Warren Alpert Medical School  
Providence, Rhode Island

Fall 2022/Spring 2023	Doctoring I Instructor The Warren Alpert Medical School of Brown University Providence, Rhode Island
Winter 2023	BIOL 1445 – Medicine in Austere Settings Undergraduate Course – Brown University Providence, Rhode Island
Summer 2023	BIOL 1255 – Climate Change & Health: Infections and Inequalities Undergraduate Course – Brown University Providence, Rhode Island
Summer@Brown 2023	CEBI 1033 – Introduction to Wilderness Medicine Pre-College Course – Brown University Providence, Rhode Island

### Peer Review Experiences:

June 2018-Current	Peer Reviewer Pre-Publication Support Service (PREPSS) <ul style="list-style-type: none"> <li>• <i>Provide writing support and manuscript development for researchers from low- and middle-income environments</i></li> </ul>
Sept 2020-Current	Peer Reviewer <i>International Journal of Emergency Medicine</i>
March 2021 & 2022	Research Abstract Peer Reviewer 2021 APHA Annual Meeting, 2022 APHA Annual Meeting <i>American Public Health Association (APHA)</i> <b>Topics:</b> Community Health Workers, International Health, Climate Change & Health
Dec 2022-Current	Peer Reviewer <i>African Journal of Emergency Medicine</i>

### Non-Peer Reviewed Publications:

1. “Beyond ‘Battlefield’ Medicine: The Challenges of Short-Term Medical Aid.” *The Medical Humanities Report (MHR)*. Published by the Center for Ethics and Humanities in the Life Sciences. Michigan State University. Spring 2010.
2. “Cholera Treatment in Haiti.” *TRIAD Magazine*. Published by the Michigan Osteopathic Association (MOA). Winter 2012: Volume 23, Number 1.



## Publications:

1. Aluisio AR, Barry M, **Martin KD**, Mbanjumucyo G, Mutabazi Z, Karim N, Moresky RT, Nyinawankusi JD, Byiringiro JC, Levine AC. "Impact of Emergency Medicine Training and Implementation on Mortality Outcomes in Kigali, Rwanda: An Interrupted Time-Series Cohort Study." *African Journal of Emergency Medicine*. 2019 March; 9(1):14-20.
2. Garbern SC, Mbanjumucyo G, Umuhoza C, Sharma VK, Mackey J, Tang O, **Martin KD**, Twagirumukiza FR, Rosman SL, McCall N, Wegerich SW. Validation of a wearable biosensor device for vital sign monitoring in septic emergency department patients in Rwanda. *Digital Health* 2019 Sep:5.
3. Garbern, Stephanie, Mbanjumucyo, Gabin, Umuhoza, Christian, Sharma, Vinay, Mackey, James, **Martin, Kyle**, Twagirumukiza, Francois, Rosman, Samantha, McCall, Natalie, Wegerich, Stephan, Levine, Adam. "Feasibility and Accuracy of a Wearable Biosensor Device for Vital Sign Monitoring in Septic Emergency Department Patients in Rwanda." *Prehospital and Disaster Medicine*, vol. 34, no. s1, 2019, pp. s85-s86.
4. Garbern SC, **Martin KD**, Gonzalez-Marques C, Umuhire OF, Uwamahoro DL, Aluisio AR, Levine AC. Building and Sustaining Partnerships in Workforce and Research Capacity in Rwanda. *Rhode Island Medical Journal*. 2019 Sep 1;102(7):32-5.
5. Marqués, Catalina González, Moretti, Katelyn, Amanullah, Siraj, Uwamahoro, Chantal, Ndebwanimana, Vincent, Garbern, Stephanie, Naganathan, Sonya, **Martin, Kyle**, Niyomiza, Joseph, Gjesvik, Annie, Nkeshimana, Menelas, Levine, Adam C., Aluisio, Adam R. "Association between volume resuscitation & mortality among injured patients at a tertiary care hospital in Kigali, Rwanda." *African Journal of Emergency Medicine*, 2020.
6. Bustamante CE, **Martin KD**, Colyer E. "Chin Numbness as a Presenting Symptom of Malignancy." *Rhode Island Medical Journal*. 2021, April. 104(3):51-52.
7. Hsu S, Banskota S, McCormick W, Capacci J, Bustamante CE, Moretti K, Weign D, **Martin KD**. "Utilization of a Waste Audit at a Community Hospital Emergency Department to Quantify Waste Production and Estimate Environmental Impact." *The Journal of Climate Change and Health*. 2021 October. 4: 100041.
8. **Martin, KD**, Chen, JJ, Thorndike, J, McCormick, W, Rota, J, Berg, B, Dulski, A. "Trends in Waste Production at a Community Hospital during the COVID-19 Pandemic." *Rhode Island Medical Journal*. Nov 2021. (104)9: 38-42.
9. **Martin, KD**, McCormick, W, Capacci, J, Moretti, K. "Trash Talk in the ED: Takeaways from Waste Audits at New England Hospitals." *Rhode Island Medical Journal*. Nov 2021. (104)9: 43-44.
10. Marques, Catalina G., Mwemerashyaka, Lucien, **Martin, Kyle**, Tang, Oliver, Uwamahoro, Chantal, Ndebwanimana, Vincent, Uwamahoro, Doris, Moretti, Katelyn, Sharma, Vinay, Naganathan, Sonya, Jing, Ling, Garbern, Stephanie C., Nkeshimana, Menelas, Levine, Adam C., Aluisio, Adam R. "Utilisation of peripheral vasopressor medications and extravasation events among critically ill patients in Rwanda: A prospective cohort study." *African Journal of Emergency Medicine*, vol. 12, no. 2, 2022, pp. 154-159.
11. Neely, A, **Martin KD**. "One Health and Climate Change: Why EM Physicians Should Pay Attention." *EM Resident*, 2022.

12. Navarrete-Welton, Allison, Chen, Jane J., Byg, Blaire, Malani, Kanika, Li, Martin L., **Martin, Kyle Denison**, Warriar, Sarita. "A grassroots approach for greener education: An example of a medical student-driven planetary health curriculum." *Frontiers in Public Health*, vol. 10, 2022.
13. Ndebwanimana V, Beeman A, Gallaer A, Uwamahoro C, Uwamahoro D, Lewis S, Hoyt SD, Nzabandora JP, Gonsalves-Domond G, Odoo E, Vital M, **Martin KD**. "'EM Doc On Call' A Pilot Study to Improve Interhospital Transfers in Rwanda." *Prehospital and Disaster Medicine*. 2023: 1-7.

### Abstracts:

1. **Martin KD**. "Analysis of the Use and Maintenance of Latrines and Water Purification Systems in Southeast Haiti." Regional Inequalities in Times of Globalization Conference. Michigan State University. Nov 1, 2009.
2. Kousa, Y, Eftekhari S, Daneshvar A, Cadle DA, Carney JP, Gross Y, Hollweg J, Kieleszewski KR, **Martin KD**, Seydel KB, Paganini AT. "Malaria, Malawi, and Michigan: Infectious Disease Prevention Through Sports." National Convention of the American Medical Student Association (AMSA). March 11, 2010.
3. **Martin KD**. "Analysis of the Use and Maintenance of Latrines and Water Purification Systems in Southeast Haiti." Bureau on International Osteopathic Medicine Education and Affairs (BIOMEA) International Seminar. American Osteopathic Association (AOA). April 21, 2010.
4. **Martin KD**. "Scrub Typhus in a Returning Traveler from Korea." Henry Ford Macomb Hospital Resident Research Day. Henry Ford Macomb Hospital. April 30, 2015.
5. Aluisio AR, Barry M, **Martin KD**, Mbanjumucyo G, Mutabazi Z, Karim N, Moresky RT, Nyinawankusi JD, Byiringiro JC, Levine AC. "Impact of Implementation of Emergency Medicine Training on Mortality Outcomes in Kigali Rwanda: An Interrupted Time-Series Study." International Conference on Emergency Medicine (ICEM). International Federation of Emergency Medicine (IFEM). June 8, 2018.
6. **Martin KD**, Mbanjumucyo G, Umuhire O, Aluisio AR. "Characteristics of Bicycle-Related Trauma Presenting to a National Referral Hospital in Rwanda." International Conference on Emergency Medicine (ICEM). International Federation of Emergency Medicine (IFEM). June 12, 2019.
7. **Martin, KD**, Dunin de Skrzyzynno, S, Wekesa, Y, Fleming-Nouri, A., Wilson, SL, Boggon, A, Carveth-Johnson, T, Henriksson, M, Jones, J, Sanford, C. "Travel Health Perceptions and Behavior Amongst Participants in a Tropical Medicine Diploma Course." 11<sup>th</sup> European Congress on Tropical Medicine and International Health. Federation of European Societies for Tropical Medicine and International Health. Sept 18, 2019.
8. Matson, A, **Martin KD**. "A Case of Babesiosis Diagnosed in the ED." 20<sup>th</sup> Annual NEOMEN Research and Scholarship Forum. May 13, 2021.
9. Pham, T, **Martin KD**. "A Case of Compartment Syndrome Following Fentanyl Overdose." 20<sup>th</sup> Annual NEOMEN Research and Scholarship Forum. May 13, 2021.
10. Matson, A, **Martin KD**. "A Case of Babesiosis Diagnosed in the ED." 27<sup>th</sup> Annual AAEM Scientific Assembly. June 21, 2021.

11. Marlink M, Wong K, **Martin KD**. “Patient Characteristics and Care Provided as Part of a Community Health Worker Program for Management of Hypertension in Rural Haiti.” Summer Research Symposium. Brown University. Aug 5, 2021.
12. Lee N, Nzeyimana IN, Nahayo E, Dockery D, Dworkin M, **Martin KD**. “Stop the Bleed: Hemorrhage Control for Traumatic Injury in Rwanda.” Summer Research Symposium. Brown University. Aug 5, 2021. African Conference on Emergency Medicine (AfCEM2022). Nov 16, 2022. New England Regional Meeting of the Society of Academic Emergency Medicine (NERDS). April 5, 2023. Society of Academic Emergency Medicine Annual Meeting (SAEM). May 18, 2023.
13. Dockery DM, Harelimana JG, Ahishakiye E, Licht AH, Nussenzweig S, Allu S, Cunningham R, Igabire E, Izere J, Nisingizwe P, Hirwa C, Munyeshyaka A, **Martin KD**, Moreira CC, Patterson RB. “A Pilot Study on the Prevalence of Peripheral Artery Disease in Kigali Rwanda.” Global Health Research Day. Global Health Initiative, Brown University. Annual Winter Meeting of the Vascular & Endovascular Surgery Society (VESS). Feb 23, 2023.
14. Dorfman D, Santiti J, Chofay D, Rougas S, **Martin KD**. “Integrating Planetary Health into the Preclinical Medical School Curriculum: Implementing a Lesson on Environmental Exposures.” Annual Scientific Meeting of the Rhode Island Chapter, American College of Physicians (RIACP). March 15, 2023. Northeast Group on Educational Affairs (NEGEA) 2023 Annual Conference, Association of American Medical Colleges (AAMC). April 14, 2023.
15. **Martin KD**, Foggie J, Birahamire J, M Pascal, Obeng E, Seliski N, Hoyt S, Rouffiac AE. “Standardized Trauma Assessment and Management Program for District Hospitals in Rwanda.” Summer Research Symposium, Brown University. Aug 4, 2022. New England Regional Meeting of the Society of Academic Emergency Medicine (NERDS). April 5, 2023. Society of Academic Emergency Medicine Annual Meeting (SAEM). May 18, 2023.
16. Hu D, Dorfman D, Hahn H, Wang M, Moretti M, **Martin KD**. “A Novel Method to Reduce the Costs and Carbon Footprint of Unopened, Discarded Medical Supplies.” New England Regional Meeting of the Society of Academic Emergency Medicine (NERDS). April 5, 2023. Society of Academic Emergency Medicine Annual Meeting (SAEM). May 18, 2023.

#### Grants and Fellowship Appointments:

- |      |   |
|------|---|
| 2020 | Center for Human Rights and Humanitarian Studies (CHRHS) Training Seed Grant<br>“A Training of Trainers Course for Hemorrhage Control in Traumatic Injury”<br>The Watson Institute for International & Public Affairs, Brown University<br><b>Role:</b> Primary Investigator<br><b>Total Award:</b> \$970 |
| 2021 | Robert K. Pederson Global Outreach Grant<br>“A Training of Trainers Course for Hemorrhage Control in Traumatic Injury”<br>The PA Foundation<br><b>Role:</b> Co-Primary Investigator (w Chelsea Lacasse, PA-C)<br><b>Total Award:</b> \$10,000   |
| 2021 | Provost Innovation Grant<br>“Stop the Bleed: Trainings for Hemorrhage Control in Traumatic Injury”<br>Johnson & Wales University<br><b>Role:</b> Co-Primary Investigator (w Ashley Hughes, PA-C)  |

**Total Award:** \$13,000

- 2022 Brown Physicians Incorporated (BPI) Academic Assessment Grant  
“Development of Educational Programs on Climate Change & Health for Alpert Medical School Faculty and Students”  
Brown Physicians Incorporated (BPI), Brown University  
**Role:** Primary Investigator  
**Award:** \$12,500
- 2022 Brown Emergency Medicine (BEM) Faculty Development Award  
“Development of Educational Programs on Climate Change & Health for Alpert Medical School Faculty and Students”  
Brown Emergency Medicine (BEM)  
**Role:** Primary Investigator  
**Award:** \$25,000
- 2023 Rhode Island Foundation Medical Research Grant  
“Prediction of Severe Anemia and Hemoglobin Using a Smartphone Camera”  
Rhode Island Foundation (RIF)  
**Role:** Primary Investigator  
**Award:** \$25,000