

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	“Best Didactic Presentation,” Brown Emergency Medicine (BEM)
2023	Fellow of the American College of Emergency Physicians (FACEP), American College of Emergency Physicians (ACEP)
2023	National Emergency Medicine Junior Faculty Teaching Award, 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 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 Program Director, Fellowship in Global Emergency Medicine, The Warren Alpert Medical School of Brown University, Providence, Rhode Island
- 2023- Core Academic Faculty, Emergency Medicine Residency
Brown University/Brown Emergency Medicine, Providence, Rhode Island

Hospital Appointments:

- 2013-2017 Resident Physician, Department of Emergency Medicine, Henry Ford Macomb Hospital, Clinton Township, 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, Staff Physician, Department of Emergency Medicine, The Miriam Hospital
2022- Providence, Rhode Island
- 2022- Staff Physician, Department of Emergency Medicine, Newport Hospital
Newport, Rhode Island

Academic Leadership:

- May 2021-Current Planetary Health Curriculum Task Force, Warren Alpert Medical School of Brown University
- May 2021-Current Faculty Advisor, ECo (Climate Change & Health) Student Group, Warren Alpert Medical School of Brown University
- May 2022-Current Vice Chair, Climate Change & Health Interest Group, Society for Academic Emergency Medicine (SAEM)
- May 2022-Current ACEP Lead Ambassador - Rwanda, American College of Emergency Physicians (ACEP)
- 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)

Peer Review Experiences:

- June 2018-Current Peer Reviewer
Pre-Publication Support Service (PREPSS)
• *Provide writing support and manuscript development for researchers from low- and middle-income environments*
- Sept 2020-Current Peer Reviewer
International Journal of Emergency Medicine
- March 2021 & 2022 Research Abstract Peer Reviewer
2021 APHA Annual Meeting, 2022 APHA Annual Meeting
American Public Health Association (APHA)
Topics: Community Health Workers, International Health, Climate Change & Health

Peer-Reviewed 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, Umuhiza 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, Umuhiza, 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. Marqués, CG, Mwemerashyaka, L, **Martin, KD**, Tang, O, Uwamahoro, C, Ndebwanimana, V, Uwamahoro, D, Moretti, K, Sharma, V, Naganathan, S, Jing, L, Garbern, SC, Nkeshimana, M, Levine, AC, Aluisio, AR. "Utilisation of peripheral vasopressor medications and extravasation events among critically ill patients in Rwanda: A prospective cohort study." *African Journal of Emergency Medicine*. June 2022. (12)2: 154-159.
11. Neely, A, **Martin, KD**. "One Health and Climate Change: Why EM Physicians Should Pay Attention." *EMResident*. Emergency Medicine Residents' Association. Aug 10th, 2022.
12. Navarrete-Welton, A, Chen, JJ., Byg, B, Malani, K, Li, ML., **Martin, KD**, Warriar, S. "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, Vincent, Beeman, Aly, Gallaer, Alexander, Uwamahoro, Chantal, Uwamahoro, Doris, Ritz, Cody, Lewis, Samuel, Hoyt, Savanna Dayne, Jean Paul, Nzabandora, Gonsalves-Domond, Gersandre, Odoom, Enyonam, Vital, Mutijima, Martin, Kyle Denison. "EM Doc On Call:" A Pilot Study to Improve Interhospital Transfers in Rwanda." *Prehospital and Disaster Medicine*, 2023, pp. 1-7.
14. Sabigaba, Martin, Jing, Ling, Mbanjumucyo, Gabin, Mumporeze, Lise, Beeman, Aly, Martin, Kyle D. "Epidemiology and outcomes of geriatric trauma patients consulting at the center hospitalier universitaire de Kigali emergency department." *African Journal of Emergency Medicine*, vol. 13, no. 4, 2023, pp. 221-224.
15. Dockery, Dominique M., Nussenzweig, Samuel, Harelimana, James G., Ahishakiye, Egide, Allu, Sai, Licht, Aron H., Cunningham, Ryan, Ingabire, Emeline, Josiane, Izere, Nisingizwe, Philemon, Hirwa, Christian, Munyesyaka, Aimable, Moreira, Carla C., Patterson, Robert B., Martin, Kyle D. "A pilot study on the prevalence of peripheral arterial disease in Kigali, Rwanda." *International Journal of Surgery: Global Health*, vol. 6, no. 5, 2023.

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." 11th 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." 20th Annual NEOMEN Research and Scholarship Forum. May 13, 2021.
9. Pham, T, **Martin KD.** "A Case of Compartment Syndrome Following Fentanyl Overdose." 20th Annual NEOMEN Research and Scholarship Forum. May 13, 2021.
10. Matson, A, **Martin KD.** "A Case of Babesiosis Diagnosed in the ED." 27th 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.
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, Santini 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:

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| 2017 | <p>Framework in Global Health Scholarship
 “Evaluating the Safety of Peripheral Administration of Vasopressor Agents”
 Global Health Initiative, Brown University
 Role: Primary Investigator
 Total Award: \$1,750</p> |
| 2018 | <p>Brown Emergency Medicine Faculty Innovation Grant
 “Creating FOAMed in Global Emergency Medicine”
 Brown Emergency Medicine, Brown University
 Role: Project Leader
 Total Award: \$2,000</p> |
| 2019 | <p>CHUK Small Grant Award
 “The Impact of a Tertiary Hospital ON CALL CONSULTANCY Program on Patient Outcomes and Care”
 University Teaching Hospital – Kigali (Rwanda)
 Role: Co-Primary Investigator (w Vincent Ndebwanimana, MD)
 Total Award: \$2,000</p> |
| 2020 | <p>Center for Human Rights and Humanitarian Studies (CHRHS) Training Seed Grant
 “A Training of Trainers Course for Hemorrhage Control in Traumatic Injury”
 The Watson Institute for International & Public Affairs, Brown University</p> |

- Role:** Primary Investigator
Total Award: \$970
- 2021 Robert K. Pederson Global Outreach Grant
“A Training of Trainers Course for Hemorrhage Control in Traumatic Injury”
The PA Foundation
Role: Co-Primary Investigator (w Chelsea Lacasse, PA-C)
Total Award: \$10,000
- 2021 Provost Innovation Grant
“Stop the Bleed: Trainings for Hemorrhage Control in Traumatic Injury”
Johnson & Wales University
Role: 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
- 2023 Robert K. Pedersen Global Outreach Grant
“Structured Didactic Sessions to Improve Trauma Care at District Hospitals in Rwanda”
The PA Foundation
Role: Co-Primary Investigator (w Samantha Scaduto, PA-C, and Kelsey Heck, PA-C)
Award: \$10,000
- 2023 Brown Physicians Incorporated (BPI) Academic Assessment Grant
“Development of Refugee Health Curricula and Resources for Medical Students & Faculty”
Brown Physicians Incorporated (BPI), Brown University
Role: Primary Investigator
Award: \$12,500
- 2023 National Institutes of Health (NIH) R21/R33 Award
“Mobile phone-based screening for anemia in young children in western Kenya”
National Institutes of Health (NIH)
Role: Co-investigator
Award: \$383,192

