

Jared R. Gallaher, MD, MPH, FACS
Curriculum Vitae

November 1, 2021

EDUCATION

Graduate/Undergraduate

- 08/2014 – 05/2016 Master of Public Health
 Gillings School of Global Public Health
 University of North Carolina at Chapel Hill, NC
 Public Health Leadership Program
- 07/2007 – 05/2011 Doctor of Medicine
 Wake Forest University School of Medicine
- 08/2001 – 05/2004 Bachelor of Arts, Theological Studies, Magna Cum Laude
 HNGR (Human Needs and Global Resources) Program Certificate
 Wheaton College (IL)

Postdoctoral Training

- 08/2018 – 07/2019 Fellow, Surgical Critical Care
 Oregon Health Sciences University (OHSU)
 Department of Surgery, Portland, Oregon
- 06/2011 – 06/2018 Resident, General Surgery
 UNC Department of Surgery,
 University of North Carolina at Chapel Hill, NC
- 06/2014 – 06/2016 Research Fellow
 Malawi Surgical Initiative
 UNC Department of Surgery, Lilongwe, Malawi

Licensure/Certification

- American Board of Surgery, Certification in Surgery
 Certificate # 063890
 Effective: October 1, 2018. Reverification date: January 10, 2022
- American Board of Surgery, Certification in Surgical Critical Care
 Certificate # 004669
 Effective: September 16, 2019. Reverification date: January 10, 2022
- North Carolina Medical License
 License # 2014-00528. Renewal date: 03/30/2022

PROFESSIONAL EXPERIENCE

Academic Appointments

- 08/2019 - Present Assistant Professor (Tenure Track)
 UNC School of Medicine
 Department of Surgery
 General and Acute Care Surgery Division

11/2019 - Present Adjunct Assistant Professor
Gillings School of Global Public Health
Public Health Leadership Program

Hospital Appointments

08/2019 – Present Attending Surgeon University of North Carolina Medical Center
Chapel Hill, NC

Administrative Appointments

09/2020 – Present Co-Director UNC - Malawi Surgical Initiative

HONORS

Faculty

06/2020 2020 Resident “Rookie of the Year” Faculty Award in Department of Surgery

06/2020 2020 Outstanding Resident Teaching by Faculty Award

Residency

07/2019 2019 SCCPDS (Surgical Critical Care Program Directors Society)
“Excellence in Research” Award: Honorable Mention

03/2018 National Committee on Trauma (COT) Paper Competition
Clinical Second Place Winner

11/2017 Region IV Committee on Trauma (COT) Paper Competition
Clinical Paper Winner

07/2017 NC/SC ACS Chapter Meeting (Pinehurst, NC)
1st Place Overall Resident Paper
1st Place Clinical Science Resident Paper Competition

06/2017 Administrative Chief, UNC General Surgery Residency

06/2017 UNC Proctor Award for Resident Research Excellence
UNC Department of Surgery

11/2016 Region IV Committee on Trauma (COT) Paper Competition
Clinical Paper Winner

10/2016 Owen H Wangenstein Scientific Forum Excellence in Research Award
American College of Surgeons (ACS) Annual Scientific Forum

07/2016 NC/SC ACS Chapter Meeting (Myrtle Beach, SC)
2nd Place Clinical Science Resident Paper Competition

05/2016 George F. Sheldon, MD Surgical Research Award
UNC Department of Surgery

07/2015 NC/SC ACS Chapter Meeting (Pinehurst, NC)
2nd Place Clinical Science Resident Paper Competition

10/2014 Womack Surgical Research and Outreach Grant
Annual research award from the Womack Surgical Society at UNC

Graduate School

05/2016 Delta Omega Member Induction
Honorary Public Health Society
UNC Gillings School of Global Public Health

09/2010 Alpha Omega Alpha Member Induction (AOA)
Wake Forest University School of Medicine

07/2010 Academic Merit Award Scholarship
Full Tuition Scholarship, Wake Forest University School of Medicine

BIBLIOGRAPHY

Book Chapters

1. **Gallaher JR**, Freeman CM, Schreiber MA. Adjunct Factor Replacement. In: Trauma Induced Coagulopathy 2020 Oct 12 (pp. 443-454). Springer, Cham.
2. **Gallaher JR**, Purcell LN. I Am a Surgery Resident Now, 10 Things I Wish I Had Learned as a Medical Student. In: A How To Guide For Medical Students. Springer International Publishing; 2017 155-163

Peer-Reviewed Original Research

1. Schneider A, **Gallaher J**, Purcell LN, Raff L, Eckert M, Charles A. Risk of acute kidney injury requiring hemodialysis after contrast-enhanced imaging after traumatic injury: A National Trauma Databank analysis. *Surgery*. 2021 Oct 25;S0039-6060(21)00878-3.
2. Williams BM, Schneider A, **Gallaher J**, Charles A. Racial and ethnic disparities in withdrawal of life-sustaining treatment after non-head injury trauma. *The American Journal of Surgery*. 2021 Aug 6.
3. Williams BM, Kayange L, Purcell L, Charles A, **Gallaher J**. Elderly trauma mortality in a resource-limited setting: A benchmark for process improvement. *Injury*. 2021 Jul 8;9645.
4. **Gallaher J**, Kayange L, Purcell LN, Reid T, Charles A. Are Surgeons Enough? The Relationship between Increasing Surgical Demand and Access to Surgery in a Resource-Limited Environment. *J Surg Res*. 2021 Jul 11;267:569-576.
5. Raff LA, Reid TD, Johnson D, Raff EJ, Schneider AB, Charles AG, **Gallaher JR**. Comparative outcomes between COVID-19 and influenza patients placed on veno-venous extracorporeal membrane oxygenation for severe ARDS. *Am J Surg*. 2021 Apr 20;S0002-9610(21)00233-6.
6. **Gallaher J**, Purcell LN, Banda W, Reid T, Charles A. Re-evaluation of the Effect of Age on In-hospital Burn Mortality in a Resource-Limited Setting. *J Surg Res*. 2021 Feb;258:265-271.
7. Reid TD, Shrestha R, Stone L, **Gallaher J**, Charles AG, Strassle PD. Socioeconomic disparities in ostomy reversal among older adults with diverticulitis are more substantial among non-Hispanic Black patients. *Surgery*. 2021 Apr 28;S0039-6060(21)00297-X. Epub ahead of print.
8. Williams BM, Purcell L, Kayange L, **Gallaher J**, Charles A. Characteristic and Outcomes of Human and Animal Bites in Malawi. *Injury*. 2021 Mar 21.
9. Williams BM, Kayange L, Purcell L, **Gallaher J**, Charles A. Self-inflicted injuries: The intersection of mental health and traumatic injury in Malawi. *Trop Doct*. 2021 May 6;494755211013197.
10. **Gallaher J**, Purcell LN, Banda W, Reid T, Charles A. The Association Between Burn Unit Census and Operative Intervention in a Resource-Limited Setting. *World J Surg*. 2021 Mar 13. doi: 10.1007/s00268-021-06037-z. Epub ahead of print.
11. Robinson B, Purcell LN, Kajombo C, **Gallaher J**, Charles A. Outcomes of stab wounds presenting to Kamuzu Central Hospital in Malawi. *Malawi Medical Journal*. 2021 Mar 31;33(1):1-6.

12. Williams BM, Purcell LN, Varela C, **Gallaher J**, Charles A. Appendicitis Mortality in a Resource-Limited Setting: Issues of Access and Failure to Rescue. *J Surg Res.* 2021 Mar;259:320-325.
13. Schneider AB, **Gallaher J**, Raff L, Purcell LN, Reid T, Charles A. Splenic preservation after isolated splenic blunt trauma: The angioembolization paradox. *Surgery.* 2021 Aug;170(2):628-633.
14. **Gallaher JR**, Yohann A, Purcell LN, Kumwenda KK, Charles A. Trends in head injury associated mortality in Malawi. *Injury.* 2020 Dec 31:S0020-1383(20)31064-0. Epub ahead of print.
15. Raff LA, **Gallaher JR**, Johnson D, Raff EJ, Charles AG, Reid TS. Time to Cannulation after ICU Admission Increases Mortality for Patients Requiring Veno-Venous ECMO for COVID-19 Associated Acute Respiratory Distress Syndrome. *Annals of Surgery.* 2020 Dec 23.
16. **Gallaher JR**, Banda W, Lachiewicz AM, Krysiak R, Purcell LN, Charles AG. Predictors of Multi-Drug Resistance in Burn Wound Colonization Following Burn Injury in a Resource-Limited Setting. *Burns.* 2020 Dec 10. Epub ahead of print.
17. **Gallaher JR**, Chise Y, Reiss R, Purcell LN, Manjolo M, Charles A. Underutilization of Operative Capacity at the District Hospital Level in a Resource-Limited Setting. *J Surg Res.* 2020 Dec 3;259:130-136.
18. **Gallaher JR**, Mulima G, Qureshi J, Shores CG, Charles AG. The role of endoscopy after upper gastrointestinal bleeding in sub-Saharan Africa: A prospective observational cohort study. *Malawi Medical Journal.* 2020 Sep;32(3):139-145.
19. Williams BM, Purcell LN, Varela C, **Gallaher J**, Charles A. Non reducible inguinal hernias in Malawi: an occupational hazard. *Hernia.* 2020 Nov 21. doi: 10.1007/s10029-020-02337-w.
20. Purcell LN, Yohann A, Banda W, **Gallaher J**, Charles A. Sex dimorphism in pediatric burn mortality in Malawi: A propensity matched analysis. *Burns.* 2020 May 19:S0305-4179(20)30358-2. Epub ahead of print.
21. Purcell LN, Sincavage J, Banda W, Cairns B, Phillips MR, **Gallaher JR**, Charles A. The effect of burn mechanism on pediatric mortality in Malawi: A propensity weighted analysis. *Burns.* 2020 Dec 1:S0305-4179(19)30651-5. Epub ahead of print.
22. Purcell LN, Mulima G, Nip E, Yohan A, **Gallaher J**, Charles A. Police Transportation Following Vehicular Trauma and Risk of Mortality in a Resource-Limited Setting. *World J Surg.* 2020 Nov 8. Epub ahead of print.
23. Agwu C, Purcell LN, **Gallaher J**, Young S, Banza L, Mansfield AJ, Charles A. Cost-Effectiveness analysis of the surgical management of fractures in Malawi: An economic evaluation of a high and low-income country surgical collaboration. *Injury.* 2020 Nov 2:S0020-1383(20)30927-X. Epub ahead of print.
24. Williams BM, Purcell LN, Varela C, **Gallaher J**, Charles A. Appendicitis Mortality in a Resource-Limited Setting: Issues of Access and Failure to Rescue. *Journal of Surgical Research.* 2020 Oct 28:S0022-4804(20)30696-X.
25. **Gallaher JR**, Banda W, Robinson B, Purcell LN, Charles A. Access to Operative Intervention Reduces Mortality in Adult Burn Patients in a Resource-Limited Setting in Sub-Saharan Africa. *World J Surg.* 2020 Nov;44(11):3629-35.
26. **Gallaher JR**, Purcell LN, Banda W, Charles A. The effect of traditional healer intervention prior to allopathic care on pediatric burn mortality in Malawi. *Burns.* 2020 Jun 21:S0305-4179(20)30431-9.
27. **Gallaher JR**, Dixon A, Cockcroft A, Grey M, Dewey E, Goodman A, Schreiber M. Large Volume Transfusion with Whole Blood is Safe Compared to Component Therapy. *Journal of Trauma and Acute Care Surgery.* 2020 Jul;89(1):238-245.
28. Purcell LN, Kayange L, **Gallaher J**, Varela C, Charles A. The Inter-Relationship Between Employment Status and Interpersonal Violence in Malawi: A Trauma Center Experience. *World J Surg.* 2020;44(9):2927-2934.
29. Purcell LN, Banda W, Williams B, **Gallaher J**, Charles A. The Effect of Surgical Intervention on Pediatric Burn Injury Survival in a Resource-Poor Setting. *J Surg Res.* 2020;253:86-91.
30. Purcell LN, Nip E, **Gallaher J**, Varela C, Gondwe Y, Charles A. Design and Implementation of a Hospital-based Trauma Surveillance Registry in a Resource-Poor Setting: A Cost Analysis Study. *Injury.* 2020;51(7):1548-1553.
31. Purcell LN, Yohann A, Banda W, **Gallaher J**, Charles A. Sex Dimorphism in Pediatric Burn Mortality in Malawi: A Propensity Matched Analysis. *Burns.* 2020 May 19.

32. Purcell LN, Robinson B, Msosa V, **Gallaher J**, Charles A. District General Hospital Surgical Capacity and Mortality Trends in Patients with Acute Abdomen in Malawi. *World Journal of Surgery*. 2020 Mar 12:1-8.
33. Purcell LN, Mulima G, Reiss R, **Gallaher J**, Charles A. Epidemiological comparisons and risk factors for pre-hospital and in-hospital mortality following traumatic injury in Malawi. *World journal of surgery*. 2020 Mar 10:1-7.
34. Maine RG, Kajombo C, Mulima G, Kincaid J, Purcell L, **Gallaher JR**, Reid TD, Charles AG. Secondary overtriage of trauma patients to a central hospital in Malawi. *World journal of surgery*. 2020 Feb 25:1-9.
35. Purcell LN, Reiss R, Mabedi C, **Gallaher J**, Maine R, Charles A. Characteristics of Intestinal Volvulus and Risk of Mortality in Malawi. *World Journal of Surgery*. 2020 Feb 25:1-7.
36. **Gallaher JR**, Varela C, Purcell LN, Maine R, Charles A. Diurnal variation in trauma mortality in sub-Saharan Africa: A proxy for health care system maturity. *Injury*. 2019 Nov 9.
37. **Gallaher J**, Jefferson M, Varela C, Maine R, Cairns B, Charles A. The Malawi trauma score: A model for predicting trauma-associated mortality in a resource-poor setting. *Injury*. 2019 Sep 1;50(9):1552-7.
38. Maine RG, Kajombo C, Purcell L, **Gallaher JR**, Reid TD, Charles AG. Effect of in-hospital delays on surgical mortality for emergency general surgery conditions at a tertiary hospital in Malawi. *BJS open*. 2019 Jun;3(3):367-75.
39. Purcell L, Ngwira N, **Gallaher J**, Cairns B, Charles A. Characteristics and outcomes in paediatric patients presenting with congenital colorectal diseases in sub-Saharan Africa. *Tropical doctor*. 2019 May 20:0049475519851010.
40. Reiter AJ, Schlottmann F, Kajombo C, **Gallaher J**, Charles AG. Surgical Outcomes of Acute Appendicitis in High-Middle-and Low-Income Countries. *The American surgeon*. 2019 Feb 1;85(2):e97.
41. Maine RG, Williams B, Kincaid JA, Mulima G, Varela C, **Gallaher JR**, Reid TD, Charles AG. Interpersonal violence in peacetime Malawi. *Trauma surgery & acute care open*. 2018 Dec 1;3(1):e000252
42. Grudziak J, Snock C, Zalinga T, Banda W, **Gallaher J**, Purcell L, Cairns B, Charles A. Pre-burn malnutrition increases operative mortality in burn patients who undergo early excision and grafting in a sub-Saharan African burn unit. *Burns*. 2018 May 1;44(3):692-9.
43. **Gallaher JR**, Bonde W, Lachiewicz A, Krysiak R, Cairns BA, Charles AG. Colonization with Multidrug Resistant Enterobacteriaceae is Associated with Increased Mortality Following Burn Injury in Sub Saharan Africa. *World Journal of Surgery*. 2018 Apr 25:1-8.
44. Reid TD, Strassle PD, **Gallaher J**, Grudziak J, Mabedi C, Charles AG. Anatomic location and mechanism of injury correlating with prehospital deaths in Sub-Saharan Africa. *World journal of surgery*. 2018 Mar 14:1-7.
45. Banza LN, **Gallaher J**, Dybvik E, Charles A, Hallan G, Gjertsen JE, Mkandawire N, Varela C, Young S. The rise in road traffic injuries in Lilongwe, Malawi: A snapshot of the growing epidemic of trauma in low income countries. *International Journal of Surgery Open*. 2018 Jan 1;10:55-60.
46. Grudziak J, **Gallaher J**, Banza L, Cairns B, Varela C, Young S, Charles A. The effect of a surgery residency program and enhanced educational activities on trauma mortality in sub-Saharan Africa. *World journal of surgery*. 2017 Dec 1;41(12):3031-7.
47. Shah M, **Gallaher J**, CO NM, McLean SE, Charles AG. Colostomy as a Bridge to Definitive Pediatric Surgical Care: A Sub-Saharan African Experience. *The American Surgeon*. 2017 Sep 1;83(9):E367.
48. Tyson AF, **Gallaher J**, Mjuweni S, Cairns BA, Charles AG. The effect of seasonality on burn incidence, severity and outcome in Central Malawi. *Burns*. 2017 Aug 1;43(5):1078-82.
49. Haac BE, **Gallaher JR**, Mabedi C, Geyer AJ, Charles AG. Task Shifting: The Use of Laypersons for Acquisition of Vital Signs Data for Clinical Decision Making in the Emergency Room Following Traumatic Injury. *World Journal of Surgery*. 2017 Jul 18:1-8.
50. Grudziak J, Snock C, Mjuweni S, **Gallaher JR**, Cairns B, Charles AG. The effect of pre-existing malnutrition on pediatric burn mortality in a sub-Saharan African burn unit. *Burns*. 2017 Nov 1;43(7):1486-92.

51. Purcell L, Mabedi CE, **Gallaher J**, Mjuweni S, McLean S, Cairns B, Charles A. Variations in injury characteristics among paediatric patients following trauma: A retrospective descriptive analysis comparing pre-hospital and in-hospital deaths at Kamuzu Central Hospital, Lilongwe, Malawi. *Malawi Medical Journal*. June 2017;29(2):146-50.
52. Young S, Banza L, Munthali BS, Manda KG, **Gallaher J**, Charles A. The impact of the increasing burden of trauma in Malawi on orthopedic trauma service priorities at Kamuzu Central Hospital. *Acta orthopaedica*. 2016 Nov 1;87(6):632-6.
53. **Gallaher JR**, Haac BE, Geyer AJ, Mabedi C, Cairns BA, Charles AG. Injury characteristics and outcomes in elderly trauma patients in Sub-Saharan Africa. *World Journal of Surgery*. 2016 Jul 7:1-8.
54. Shah M, **Gallaher JR**, Msiska N, McLean SE, Charles AG. Pediatric Intestinal Obstruction in Malawi: Characteristics and Outcomes. *The American Journal of Surgery*. 2016 Apr;211(4):722-6.
55. **Gallaher JR**, Wildfire B, Mabedi CE, Cairns BA, Charles AG. Intentional Injury Against Children in Sub-Saharan Africa: A Tertiary Trauma Center Experience. *Injury*. 2016 Apr;47(4):837-41.
56. Becher RD, Peitzman AB, Sperry JL, **Gallaher JR**, Neff LP, Sun Y, Miller PR, Chang MC. Damage control operations in non-trauma patients: defining criteria for the staged rapid source control laparotomy in emergency general surgery. *World Journal of Emergency Surgery*. 2016 Feb 24;11(1):1.
57. **Gallaher JR**, Mjuweni S, Shah M, Cairns BA, Charles, AG. Timing of Early Excision and Grafting following Burn Injury in Sub-Saharan Africa. *Burns*. 2015 Sep;41(6):1353-9
58. **Gallaher JR**, Mjuweni S, Cairns BA, Charles, AG. Burn Care Delivery in a Sub-Saharan African Unit: A Cost Analysis Study. *International Journal of Surgery*. 2015 Jul;19:116-20.
59. Ladd MR, Pajewski NM, Becher RD, Swanson JM, **Gallaher JR**, Pranikoff T, Neff LP. Delays in treatment of pediatric appendicitis: a more accurate variable for measuring pediatric healthcare inequalities? *The American Surgeon*. 2013 Sep;79(9):875-81.
60. Groves L B, Ladd MR, **Gallaher JR**, Swanson J, Becher RD, Pranikoff T, Neff LP. Comparing the cost and outcomes of laparoscopic versus open appendectomy for perforated appendicitis in children. *The American Surgeon*. 2013 Sep 1;79(9):861-4.
61. Ladd MR, Neff LP, Becher RD, **Gallaher JR**, Pranikoff T. Computerized tomography in the workup of pediatric appendicitis: why are children scanned? *The American Surgeon*. 2012 Jun;78(6):716-21.
62. Neff LP, Ladd MR, Becher RD, Jordanhazy RA, **Gallaher JR**, Pranikoff T. Computerized tomography utilization in children with appendicitis-differences in referring and children's hospitals. *The American Surgeon*. 2011 Aug;77(8):1061-5.

Other Peer-Reviewed Articles

1. **Gallaher JR**, Schreiber MA. A Review of Whole Blood: Current Trauma Reports. *Current Trauma Reports*. 2019 Dec 1;5(4):210-5.
2. **Gallaher JR**, Grudziak J, Schreiber MA. Consideration of Anticoagulation: Surgical Care for the Elderly in Current Geriatrics Reports. *Current Geriatrics Reports*. 2019 Sep 15;8(3):173-9.
3. Charles A, **Gallaher JR**, Cairns BA. Burn Care in Low-and Middle-Income Countries. *Clinics in Plastic Surgery*. In ed: Hultman CS, Neumeister MW. *Burn Care: Rescue, Resuscitation, and Resurfacing, an Issue of Clinics in Plastic Surgery*. Elsevier Health Sciences; 2017 Jul;44(3):479-83

Editorials, Case Reports, Technical Notes, Research Letters

1. Raff LA, Schneider AB, Charles AG, **Gallaher JR**. Treatment of Acute Severe Asthma Exacerbation with Extracorporeal Membrane Oxygenation and Inhaled Volatile Anesthetic. *The American Surgeon*. 2021 Oct 13;31348211047489. doi: 10.1177/00031348211047489. Epub ahead of print. PMID: 34645290.
2. **Gallaher J**, Charles A. An invited commentary on “Impact of a bundle on surgical infections after hip arthroplasty. A cohort study in Italy” The reality of bundles in a resource-limited environment. *International Journal of Surgery (London, England)*. 2020 Nov; 83:156.

3. Purcell LN, Reiss R, Mabedi C, **Gallaher J**, Maine R, Charles A. Authors' Reply: Characteristics of Intestinal Volvulus and Risk of Mortality in Malawi. *World J Surg*. 2020 Jul;44(7):2450.
4. **Gallaher J**, Charles A. Developing Guidelines for COVID-19 Management: A Moving Target. An invited commentary on "Evidence Based Management Guideline for the COVID-19 Pandemic-Review article". *International Journal of Surgery (London, England)*. 2020 Apr 21.
5. **Gallaher J**, Charles A. An Invited Commentary on "Comparative analysis of weight loss and resolution of comorbidities between laparoscopic sleeve gastrectomy and Roux-en-Y gastric bypass: A systematic review and meta-analysis based on 18 studies"(Int J Surg 2020; 76: 101-110)-Time for Shared Decision Making. *International journal of surgery (London, England)*. 2020 Apr 1.
6. **Gallaher J**, Charles A. Developing a Surgical Assessment Tool in Sub-Saharan Africa: One Size Does Not Fit All-An invited commentary on "Development of a Surgical Assessment Tool for National Policy Monitoring & Evaluation in Ethiopia: A Quality Improvement Study". *International journal of surgery (London, England)*. 2020 Apr 1.
7. **Gallaher JR**, Mulima G, Kopp D, Shores CG, Charles AG. Consequences of centralised blood bank policies in sub-Saharan Africa. *The Lancet Global Health*. 2017 Feb 28;5(2):e131-2.
8. **Gallaher JR**, Cairns B, Varela C, Charles AG. Mortality After Peritonitis in Sub-Saharan Africa: An Issue of Access to Care. *JAMA surgery*. 2017 Apr 1;152(4):408-10.
9. **Gallaher JR**, Molyneux E, Charles, AG. Sub-Saharan African Hospitals Have a Unique Opportunity to Address Intentional Injury to Children. *African Journal of Emergency Medicine*. 2016 Jun 1;6(2):59-60.

Published Abstracts

1. Reiss R, Purcell LN, Kajombo C, Nip E, **Gallaher JR**, Charles AG. Traumatic Injuries and Resource-Poor Setting: Does Injury Intent Predict Risk of Mortality?. *Journal of the American College of Surgeons*. 2020 Oct 1;231(4):e141.
2. Purcell LN, Mulima G, Nip E, Yohann AN, **Gallaher JR**, Charles AG. Police Transportation of the Critically Injured to a Trauma Center and Risk of Mortality in a Resource-Poor Setting. *Journal of the American College of Surgeons*. 2020 Oct 1;231(4):S128.
3. Robinson B, Purcell LN, Banda W, Williams B, Charles AG, **Gallaher JR**. Effect of Surgical Intervention on Mortality in Adult Burn Patients in a Resource-Poor Setting. *Journal of the American College of Surgeons*. 2020 Oct 1;231(4):S123.
4. Yohann A, Purcell LN, Banda W, **Gallaher JR**, Charles AG. Sex Disparities in Pediatric Burn Mortality in Malawi: A Propensity Matched Analysis. *Journal of the American College of Surgeons*. 2020 Oct 1;231(4):e148.
5. Reiss R, Chise YJ, Purcell LN, Manjolo M, **Gallaher JR**, Charles AG. Mismatch of Surgical Intervention with Operative Capacity at the District Hospital-Level in a Resource-Poor Setting. *Journal of the American College of Surgeons*. 2020 Oct 1;231(4):S126-7.
6. **Gallaher JR**, Yohann A, Maine RG, Charles AG. Trends in Head Injury-Associated Mortality in Sub-Saharan Africa: Moving Beyond Surgical Workforce. *Journal of the American College of Surgeons*. 2019 Oct 1;229(4):S139-40.
7. **Gallaher JR**, Maine R, Kajombo C, Reid T, Charles AG. Diurnal Variation in Trauma Mortality in a Resource-Poor Tertiary Trauma Center in Sub-Saharan Africa. *Journal of the American College of Surgeons*. 2018 Oct 1;227(4):S129.
8. Purcell LN, Reid T, Kajombo C, **Gallaher JR**, Charles AG, Maine R. In-Hospital Delays to Surgical Intervention Are Associated with Increased Mortality for Emergent General Surgery Conditions at a Tertiary Hospital in Malawi. *Journal of the American College of Surgeons*. 2018 Oct 1;227(4):S130.
9. Grudziak J, Snock C, Phiri TZ, **Gallaher JR**, Cairns BA, Charles AG. Pre-Existing Malnutrition Increases Operative Mortality in a Sub-Saharan Africa Burn Unit. *Journal of the American College of Surgeons*. 2017 Oct 1;225(4):S107.
10. **Gallaher JR**, Grudziak J, Msosa V, Cairns BA, Charles AG. Multi-Drug Resistance Colonization Is Associated with Increased Mortality Following Burn Injury in Sub-Saharan Africa. *Journal of the American College of Surgeons*. 2016 Oct 1;223(4):S69.

11. **Gallaher JR**, Grudziak J, Banza L, Cairns BA, Charles AG. Independent Effect of a New Surgical Residency Program on In-Hospital Trauma Mortality at a Sub-Saharan Africa Tertiary Center. *Journal of the American College of Surgeons*. 2016 Oct 1;223(4):S71.
12. Purcell LN, **Gallaher JR**, Cairns BA, Charles AG. Variations in Injury Characteristics in Pediatric Patients after Trauma: Pre-Hospital vs In-Hospital Deaths. *Journal of the American College of Surgeons*. 2016 Oct 1;223(4):S71-2.
13. Haac BE, **Gallaher JR**, Mabedi C, Charles AG. Task-Shifting: Use of Laypersons for Acquisition of Vital Signs Data for Clinical Decision-Making in the Emergency Room after Traumatic Injury. *Journal of the American College of Surgeons*. 2016 Oct 1;223(4):S70-1.
14. **Gallaher JR**, Mabedi CE, Cairns BA, Charles AG. Outcomes of peritonitis in Sub-Saharan Africa: an issue of access to surgical care. *Journal of the American College of Surgeons*. 2015 Oct 1;221(4):S87-8.
15. **Gallaher JR**, Mabedi CE, Cairns BA, Charles AG. An Age Old Problem: Geriatric Trauma in Sub-Saharan Africa. *Journal of the American College of Surgeons*. 2015 Oct 1;221(4):S86.
16. McMullan J, **Gallaher J**, Askew K, Zhang Z, Hoekstra J, Miller C. The Association between Frontal Plane QRS/T Angle and Short-term Adverse Events in ED Patients with Chest Pain: 285. *Academic Emergency Medicine*. 2009 Apr 1;16(4).

Oral Presentations

1. Robinson B, Purcell LN, Banda W, Williams B, Charles AG, **Gallaher JR**. Effect of Surgical Intervention on Mortality in Adult Burn Patients in a Resource-Poor Setting. Oral presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Virtual Conference. October 2020. Presentation given by Brittany Robinson.
2. Reiss R, Chise YJ, Purcell LN, Manjolo M, **Gallaher JR**, Charles AG. Mismatch of Surgical Intervention with Operative Capacity at the District Hospital-Level in a Resource-Poor Setting. Oral presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Virtual Conference. October 2020. Presentation given by Rachel Reiss.
3. **Gallaher JR**, Dixon A, Cockcroft A, Grey M, Dewey E, Goodman A, Schreiber M. "Massive Transfusion with Whole Blood is Safe Compared to Component Therapy." Quick-shot oral presentation at the Eastern Association for the Surgery of Trauma (EAST) Annual Scientific Conference. Orlando, FL. January 16, 2020.
4. **Gallaher JR**, Yohann A, Maine RG, Charles AG. Trends in Head Injury-Associated Mortality in Sub-Saharan Africa: Moving Beyond Surgical Workforce. Oral presentation at the American College of Surgeons (ACS) Annual Scientific Forum. San Francisco, CA. October 2019. Presentation given by Avital Yohann.
5. **Gallaher JR**, Maine R, Kajombo C, Varlea C, Reid T, Charles AG. "Diurnal Variation in Trauma Mortality in a Resource-Poor Tertiary Trauma Center in Sub-Saharan Africa." Oral presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Boston, MA. October 24, 2018
6. **Gallaher JR**, Jefferson M, Varela C, Cairns BA, Charles AG, "The Malawi Trauma Score: A Model for Predicting Trauma-Associated Mortality in a Resource-Poor Setting." Oral presentation at the National Committee on Trauma National Paper Competition. San Antonio, TX. March 8, 2018. Clinical Paper Second Place Winner.
7. **Gallaher JR**, Jefferson M, Varela C, Cairns BA, Charles AG, "The Malawi Trauma Score: A Model for Predicting Trauma-Associated Mortality in a Resource-Poor Setting." Oral presentation at the Academic Surgical Congress Annual Conference. Jacksonville, FL. February 1, 2018.
8. **Gallaher JR**, Jefferson M, Varela C, Cairns BA, Charles AG, "The Malawi Trauma Score: A Model for Predicting Trauma-Associated Mortality in a Resource-Poor Setting." Oral presentation at the College of Surgeons of East, Central and Southern Africa (COSECSA) Annual Scientific Conference. Maputo, Mozambique. December 7, 2017.
9. **Gallaher JR**, Jefferson M, Varela C, Cairns BA, Charles AG, "The Malawi Trauma Score: A Model for Predicting Trauma-Associated Mortality in a Resource-Poor Setting." Oral presentation at the Region IV Committee on Trauma Paper Competition. Biloxi, Mississippi. November 17, 2017. Clinical Paper Winner

10. **Gallaher JR**, Jefferson M, Varela C, Cairns BA, Charles AG, “The Malawi Trauma Score: A Model for Predicting Trauma-Associated Mortality in a Resource-Poor Setting.” Oral presentation at the NC/SC ACS Chapter Meeting Trauma Competition. Pinehurst, NC. July 14, 2017.
11. **Gallaher JR**, Mabedi C, Cairns BA, Charles AG, “The Effect of a New Surgical Residency Program on Trauma Mortality at a Sub-Saharan Africa Tertiary Center.” Oral presentation at the National Committee on Trauma National Paper Competition. Washington, D.C. March 2, 2017.
12. **Gallaher JR**, Mulima G, Shores C, Charles AG. “The Effect of a Centralized Blood Banking Policy on Blood Product Availability in Sub-Saharan Africa.” Quick shot oral presentation at the Academic Surgical Congress Annual Conference. Las Vegas, NV. February 07, 2017.
13. **Gallaher JR**, Mabedi C, Cairns BA, Charles AG, “The Independent Effect of a New Surgical Residency Program on Trauma Mortality at a Sub-Saharan Africa Tertiary Center.” Oral presentation at the Region IV Committee on Trauma Paper Competition. Louisville, KY. November 12, 2016. Clinical Paper Winner.
14. **Gallaher JR**, Grudziak J, Msosa V, Cairns BA, Charles AG. “Multi-Drug Resistance Colonization Is Associated with Increased Mortality Following Burn Injury in Sub-Saharan Africa.” Oral presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Washington, D.C. October 18, 2016.
15. **Gallaher JR**, Mabedi C, Cairns BA, Charles AG, “The Independent Effect of a New Surgical Residency Program on Trauma Mortality at a Sub-Saharan Africa Tertiary Center.” Oral presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Washington, D.C. October 18, 2016.
16. **Gallaher JR**, Grudziak J, Banza L, Cairns BA, Charles AG, “The Independent Effect of a New Surgical Residency Program on Trauma Mortality at a Sub-Saharan Africa Tertiary Center.” Oral presentation at the NC/SC American College of Surgeons (ACS) Chapter Meeting. Myrtle Beach, SC, July 15, 2016.
17. **Gallaher JR**, Mulima G, Qureshi J, Shores C, Cairns BA, Charles AG, “The Role of Endoscopy After Upper Gastrointestinal Bleeding in Sub-Saharan Africa: A Prospective Study.” Oral presentation at the Academic Surgical Congress Annual Conference. Jacksonville, Florida. February 03, 2016.
18. **Gallaher JR**, Mjuweni S, Cairns BA, Charles AG, “Timing of Early Excision and Grafting following Burn Injury in Sub-Saharan Africa.” Oral presentation at the Frederick A. Collier Surgical Society Annual Conference. Amelia Island, Florida. October 10, 2015.
19. **Gallaher JR**, Mabedi C, Cairns BA, Charles AG, “An Age Old Problem: Geriatric Trauma in Sub-Saharan Africa.” Oral presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Chicago, IL. October 5, 2015.
20. **Gallaher JR**, Mabedi C, Cairns BA, Charles AG, “Outcomes of Peritonitis in Sub-Saharan Africa: An Issue of Access to Surgical Care.” Oral presentation at the American College of Surgeons (ACS) Annual Scientific Forum. Chicago, IL. October 5, 2015.
21. **Gallaher JR**, Mabedi C, Cairns BA, Charles AG, “Injury Characteristics and Outcomes in Elderly Trauma Patients in Sub-Saharan Africa.” Oral presentation at the NC/SC American College of Surgeons (ACS) Chapter Meeting. Pinehurst, NC. July 17, 2015.
22. **Gallaher JR**, Mjuweni S, Cairns BA, Charles AG, “Timing of Early Excision and Grafting following Burn Injury in Sub-Saharan Africa.” Oral presentation at the College of Surgeons of East, Central and Southern Africa (COSECSA) Annual Scientific Conference. Dar es Salaam, Tanzania. December 5, 2014.

TEACHING ACTIVITIES

Graduate Teaching

1. Co-instructor. PUBH 701: Cost-Effectiveness in Health and Medicine. Spring 2021. Gillings School of Global Public Health, University of North Carolina at Chapel Hill.
2. Co-instructor. PUBH 701: Cost-Effectiveness in Health and Medicine. Spring 2020. Gillings School of Global Public Health, University of North Carolina at Chapel Hill.

Invited Lectures

1. “Moving Beyond Mission Trips: The Role of Academia in Global Surgery.” Departmental Surgical Education Conference. WakeMed Hospital, Department of General Surgery and Trauma. Raleigh, NC. January 15, 2021.
2. “COVID-19: Working at the Intersection of Intervention and Public Health.” Living and Learning International: Washington DC Study Tour | Public Health and Social Justice. December 15, 2020.
3. “What’s Blood Got to Do with It? Massive Transfusion in Traumatic Hemorrhage, The PROPPR Trial, and the (Re)emergence of Whole Blood.” Departmental Grand Rounds. Department of Anesthesia. University of North Carolina at Chapel Hill. June 17, 2020.

Resident Education

1. General Surgery Senior and Junior Resident Conference. “Chest Trauma.” University of North Carolina Hospital. Chapel Hill, NC. August 25, 2021.
2. Surgical Critical Care Fellowship Lecture. “What’s Blood Got to Do with It? Massive Transfusion in Traumatic Hemorrhage, The PROPPR Trial, and the (Re)emergence of Whole Blood.” University of North Carolina Hospital. Chapel Hill, NC. March 2, 2021.
3. Neurocritical Care Fellowship Lecture. “What’s Blood Got to Do with It? Massive Transfusion in Traumatic Hemorrhage, The PROPPR Trial, and the (Re)emergence of Whole Blood.” University of North Carolina Hospital. Chapel Hill, NC. January 21, 2021.
4. Surgical Critical Care Fellowship Lecture. “IV Fluid Resuscitation.” University of North Carolina Hospital. Chapel Hill, NC. January 19, 2021.
5. General Surgery Junior Resident Conference. “Appendicitis and Diverticulitis.” University of North Carolina Hospital. Chapel Hill, NC. November 11, 2020.
6. Emergency Medicine Resident Conference. “The Use of Whole Blood in Trauma.” University of North Carolina Hospital. Chapel Hill, NC. February 19, 2020.
7. General Surgery Junior Resident Conference. “Abdominal Trauma.” University of North Carolina Hospital. Chapel Hill, NC. January 29, 2020.
8. General Surgery Junior Resident Conference. “Absite Review.” University of North Carolina Hospital. Chapel Hill, NC. January 9, 2020.
9. General Surgery Junior Resident Conference. “Chest Trauma.” University of North Carolina Hospital. Chapel Hill, NC. December 11, 2019.

Medical Student Education

1. Invited Faculty Guest Content Expert, “Howard Holderness Seminar: “Antibiotics versus Appendectomy for Acute Appendicitis.” August 19, 2021. Holderness Distinguished Scholars’ Program.

TRAINEES

Mentoring Experience (Research)

Name	Dates	Awards/Grants
<u>Master’s Students (MPH)</u>		
1. Stephanie Jensen	1/2020-6/2020	
2. Richard Erali	2/2021-8/2021	
<u>Medical Students</u>		
1. Alexa Holloway	6/2020-6/2021	UNC Medical Student Summer Research Project Grant. Grant: T35-DK007386 (NIH)

PROFESSIONAL SERVICE

Membership in Professional Societies

- American College of Surgeons, Fellow
- Association for Academic Surgery, Active Member
- Eastern Association for the Surgery of Trauma (EAST), Active Member

Institutional Service

11/2020 – Present Member, Carolina Antimicrobial Stewardship Program Committee

Conference Moderator

02/2021 Academic Surgical Congress
Clinical/Outcomes General Surgery And Trauma/Critical Care QuickShot Session

REVIEW RESPONSIBILITIES

Journals

- International Journal of Surgery
- The American Surgeon
- BMJ Open
- Burns
- Journal of Surgical Research

RESEARCH STATEMENT

My research focuses on the delivery of surgical care in three different domains: global health, clinical sciences, and public health. In global health, I have focused specifically on describing the burden of disease in trauma, burn, and emergency general surgery in Malawi while also investigating potential solutions for addressing this burden in a low-resource environment. Additionally, I have explored the challenges of safe and reliable blood banking in Malawi with plans to study the effect of centralized blood banking on trauma care in the future. In the clinical sciences, I have an interest in trauma resuscitation, especially in transfusion strategies and in treatment of patients on anti-coagulation at the time of injury. Lastly, in public health, I will be co-teaching a course on cost-effectiveness in the MPH program at the Gillings School of Global Public Health. I plan on using the approach taught in this course to study the cost-effectiveness of various treatment strategies used in trauma, emergency general surgery, and critical care both in the United States and in low-resources settings such as Malawi.

TEACHING STATEMENT

Teaching in a clinical environment presents unique challenges for both the educator and the student. This is especially true in surgery where the procedural risks for the patient must be weighed against the educational benefit to the surgical trainee. Consequently, I believe that one of the most important aspects of surgical education is that teaching surgeons are present and engaged while advocating for both the patient's well-being as well as their trainees. I address this challenge in two ways. First, I work hard to set a good example through my conversations with patients, interactions with staff, and the way I approach clinical problems either in diagnosis or in the operating room. Second, I use these clinical scenarios to teach principles of surgery to my trainees at any level. For residents, this could involve thinking through possible procedural complications or reviewing published management guidelines while for a medical student, we might review

physiology or the fundamentals of diagnosis. The practice of surgery, both in and out of the operating room, is a rich teaching environment for the teacher who is willing to invest the time and energy into their students.