Erin Fitzgerald Carlton

Associate Professor
University of Michigan
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Education and Training

Education

08/2003-05/2006	BS, Kent State University, Kent, OH
08/2008-05/2012	MD, The University of Toledo College of Medicine, Toledo, OH
08/2015-12/2016	MS, University of Michigan, Ann Arbor, MI

Postdoctoral Training

07/2012-06/2015	Residency, Pediatrics, University of Colorado, Denver, CO
07/2015-06/2018	Clinical Fellow, Pediatric Critical Care, University of Michigan, Ann Arbor, MI

Certification And Licensure

Certification

10/2015-Present	American Board of Pediatrics, General
12/2018-Present	American Board of Pediatrics, Critical Care

Licensure

03/2015-Present	Michigan, Medical License
03/2015-Present	Michigan, Controlled Substance

Work Experience

Academic Appointment

07/2018-08/2023	Clinical Assistant Professor in Pediatrics - Intensive Care, University of Michigan - Ann Arbor, Ann Arbor
08/2023-Present	Clinical Associate Professor in Pediatrics - Intensive Care, University of Michigan - Ann Arbor, Ann Arbor

Administrative Appointment

09/2015-Present	Member, Institute for Health Policy and Innovation, Ann Arbor
07/2016-Present	Faculty Investigator, Susan B. Meister Child Health Evaluation and Research Center, Ann Arbor
01/2021-07/2021	Associate Program Director for Education-Pediatric Critical Care Medicine Fellowship, University of Michigan, Ann Arbor
07/2021-Present	Associate Program Director for Research-Pediatric Critical Care Medicine Fellowship, University of Michigan, Ann Arbor
07/2025-Present	Associate Program Director CHEAR Fellowship, University of Michigan, Ann Arbor

Clinical Appointments

07/2015-Present	Attending Staff Physician, University of Michigan Health System, Ann Arbor
07/2023-Present	Medical Director, Pediatric Rapid Response Team, C.S. Mott Children's Hospital, Ann Arbor
06/2026-Present	Service Chief, Department of Pediatrics, University of Michigan, Ann Arbor

Research Interests

My research focuses on improving long-term outcomes after pediatric critical illness, especially sepsis. Specifically, I strive understand the factors influencing pediatric sepsis survivorship, with a long-term goal of developing and testing clinical interventions to mitigate post-sepsis morbidity. Additionally, I aim to understand and improve the family spillover effects of critical illness, including the educational and economic impacts of critical illness.

Clinical Interests

- Sepsis and Septic Shock; Long-term outcomes after pediatric critical illness; Rapid Response Team

Grants

Current Grants

R03TR004798:*Timing and risk factors for developing chronic respiratory failure after pediatric sepsis:*
PI
NIH-DHHS-US
09/2024 - 08/2026
$158,933

Past Grants

Receipt, disparities, and impact of early primary care follow-up after pediatric critical illness:
PI
AHRQ-DHHS-US
07/2023 - 06/2024
$100,000

R01HD098269:*PICS-p – Post-Intensive Care Syndrome Pediatrics, Longitudinal Cohort study:*
Site PI
NIH-DHHS-US-SubK sourced funding through The University of Pennsylvania
07/2020 - 06/2024
$7,000

National Institutes of Health Loan Repayment Program
Carlton (PI)
7/1/2020-6/30/2024

KL2-TR 002241 Michigan Institute of Clinical and Health Research
03/2021-02/2022
NCATS-DHHS-US

K12HL138039:*Training to Advance Care Through Implementation Science in Cardiac And Lung Illnesses (TACTICAL):*
07/2022-06/2023
NHLBI-DHHS-US

Doris Duke Foundation Fund to Retain Clinical Scientists: The long-term follow-up and impact of pediatric critical illness
Carlton (PI)
6/1/2022-9/30/2023

Honors and Awards

International

2021	Society of Critical Care Medicine-STAR Research Award. Awarded to Dr. Kayla Phelps, primary mentee
2022	Society of Critical Care Medicine-Bronze Research Award

National

2017	Society for Pediatric Research Clinical Fellow Research Award, Annual Meeting of the Pediatric Academic Society, San Francisco, CA
2021	Collaborative Pediatric Critical Care Research Network Junior Investigator Showcase

Institutional

2006	Mary Manchester Award, Kent State University
2009	Lucas County Medical Alliance Community Service Award, The University of Toledo College of Medicine
2011	Dr. and Mrs. El-Shaffie Award, The University of Toledo College of Medicine
2011	Gold Humanism Honor Society, Medical Student Inductee, The University of Toledo College of Medicine
2012	Marian M. Rejent Award in Pediatrics, The University of Toledo College of Medicine
2013	Gold Humanism Honor Society, Resident Inductee, University of Colorado School of Medicine
2015	Bruce M. Garber Memorial Award, Children's Hospital Colorado, Residency Award Ceremony
2017	Fellow Award for Clinical/Health Services Research, Annual Pediatric Research Symposium, University of Michigan
2017	University of Michigan Medical School Learning Environment Task Force Recognition
2018	Janet Ferrantino Young Investigator Award, University of Michigan
2019	Top Teachers in the Department of Pediatrics, University of Michigan
2020	Top Teachers in the Department of Pediatrics, University of Michigan
2021	Top Resident Research Abstracts from the 2021 Pediatric Research Symposium-Health Services Research Awarded to Stephani Zakutansky--primary mentee, University of Michigan
2023	Rising Star- Department of Pediatrics, University of Michigan
2024	Top Resident Research Abstracts from the 2021 Pediatric Research Symposium-Health Services Research Awarded to Julia Cartwright--primary mentee, University of Michigan
2024-2025	MICHR, Network Based Research Unit Fellow, University of MIchigan
2026	Westover Fellowship Awarded to Zachary Rumlow—primary mentee, University of Michigan

Teaching and Mentorship

Student/Resident

2020 - 2022	Stephani Zakutansky, Medicine-Pediatrics Resident Awarded University of Michigan Department of Pediatrics; Resident Research Award 2021
2017-2023	Alyssa Dews, Undergraduate student 2017-2020; graduate student 2023-2024
2023 - Present	Julia Cartwright, General Pediatrics Resident Awarded University of Michigan Department of Pediatrics Resident; Research Award 2024
2024-2026	Melissa Johnson, Medicine-Pediatrics Resident, Awarded University of Michigan Department of Pediatrics Resident Research Award

2024 - Present	Mekela Neelakantan, General Pediatrics Resident
2024 - Present	Marialenna Boyle, General Surgery Resident

Fellow

2019 - 2022	Kayla Phelps, Awarded Society of Clinical Care Medicine STAR Research Award
2022 - 2025	Carly Schmidt, Awarded University of Michigan Department of Pediatrics Fellow Research Grant
2022 – 2025	Maria Pliakas
2023 - 2026	Dario Alvarez
2025 – Present	Zachary Rumlow, Awarded University of Michigan Department of Pediatrics Westover Fellowship
2025 – Present	Patrick Murday

Faculty and APP

2022 – Present	Kayla Phelps, Louisiana State University
2025 – Present	Stacey Sears, Univesrity of Michigan
2026 - Present	Carly Schmidt, University of Michigan
2026 - Present	Maria Pliakas, University of Michigan

Scholarly Oversight Committee

2019 – 2021	Mariam Gabrial, PCCM Fellow
2020 - 2022	Sarah Auerbach, Pediatric Infectious Disease Fellow
2022 - 2024	Matthew Hazle, Pediatric Hospital Medicine Fellow
2023 - Present	Claire Foster, Pediatric Critical Care Medicine Fellow & Developmental and Behavioral Pediatrics Fellow, University of Arkansas

Memberships in Professional Societies

2015 - Present	Society for Pediatric Research
2015 - Present	Society for Critical Care Medicine
2018 - Present	American Thoracic Society
2021 - Present	American Academy of Pediatrics

Committee/Service

International

2020 - 2023	Pediatric Outcomes STudies after PICU (POST-PICU) Investigators Core Outcome Measures Working Group, Other, Expert Panel Member
2021 - Present	Global Sepsis Alliance, Other, Pediatrics Platform Board Committee Member
2022 – 2025	Pediatric Outcomes STudies after PICU (POST-PICU) PALISI Leadership Board Member
2022 – Present	Deputy Editor, Chest Critical Care
2023 – Present	Surviving Sepsis Campaign Guidelines Committee Member
2023 – Present	Pathways to Independence (K to R Transition); PALISI Leadership Board Member

2025 – Present	Pediatric Outcomes STudies after PICU (POST-PICU) PALISI, Vice Chair
2025 – Present	UpToDate, Contributing Author, Pediatric Sepsis
2026 – Present	World Sepsis Congress, Scientific Steering Committee

National

2020 - 2023	American Thoracic Society Programming Committee, Programming Committee Member
2024 – Present	Clinical Events Committee, Airway Splint Clinical Trial (Trial Number XXX), Committee Member

Institutional

2016 - 2018	University of Michigan Cardiopulmonary Resuscitation Committee, Other, House Officer Representative
2019 - 2024	Improving Pediatric Sepsis Outcomes; University of Michigan, Other, Coordinating Committee
2019 - 2023	Fellowship Clinical Competency Committee, Pediatric Critical Care Medicine, Department of Pediatrics, University of Michigan, Member
2019 - Present	Rapid Response Team Workgroup; University of Michigan, Medical Director
2021 – 2022	Division of Pediatric Critical Care Medicine Faculty Recruitment Committee; University of Michigan, Other, Committee Member
2022 - Present	Rapid Response Team Review Committee; University of Michigan, Medical Director
2024 - Present	Gastroenterology Division Director, Department of Pediatrics, University of Michigan, Search Committee
2024 - Present	Medicine-Pediatrics House Officer Selection Committee
2025 – Present	CHEAR Faculty Advisory Council, University of Michigan

Teaching Activity

Institutional

Pediatric Critical Care

2018-present	Sepsis
2018	Shock
2019	Vasoactive Medications
2021	Coagulation
2022	Failed Sepsis Therapies
2023	Post-Intensive Care Syndrome Pediatrics
	Sedation and Analgesia in the PICU

Pediatric Critical Care Medicine Research Conference

2020-present	How to Write a Research Article
2021-present	Innovation Tournament
2023	How to give an Elevator Pitch
	Data Management
	Organizational Management

2024	Bias in Research
	Logistic and Linear Regression

Pediatric Resident Conference

2019-present	Pediatric Residency Crash Course Series: Shock
2020-2022	Pediatric Residency Crash Course Series: SRTs, RRTs, and Codes

Medical School

2019, 2025	Pediatric Residency Crash Course
2020	MEDADM-8447 Phys Sci Clin Trans Res- How to review a manuscript

Scholarly Activities

Presentations

Extramural Invited Presentation

1. Creating a Visual Abstract, American Thoracic Society, 05/2020, Philadelphia, PA (cancelled due to COVID19)

2. Identifying Phenotypes using Pre-Admission Patient Characteristics and Trajectories, CHEST Annual Meeting, 10/2020, Virtual Congress (due to COVID19)

3. Big Data in Little Kids, Pediatric Critical Care Regional Meeting: Technology in the Pediatric ICU, 04/2021, Virtual due to Covid-19

4. Pediatric Sepsis Research Update, University of Tennessee; LaBoehner Children's Hospital, 11/2021, Virtual

5. Sepsis Alliance, Webinar: After the Hospital: Longer-Term Impacts of Pediatric Sepsis. April 20, 2022, Virtual

6. Pediatric Sepsis Definitions-Do They Matter?, Society of Critical Care Medicine, 02/2022, San Juan, Puerto Rico (Virtual due to COVID-19 Pandemic)

7. Doctor Radio-Pediatrics On Call, SiriusXM, 02/2022, Online/ Satellite Radio

8. The long-term impact of critical illness and sepsis in children, Grand Rounds, Michigan State University, 02/2022, Virtual

9. Pocketbook Sepsis. Pediatric Long-term outcomes after sepsis. Sepsis Australia. Virtual CME. January 31, 2023

10. Toward Tailored Care for Sepsis Survivors, 04/2023, World Sepsis Day, Virtual

11. PALISI Clinical Research Course, Data management; how to collect, store, and share my precious data. March 23, 2023, Lake Tahoe, CA

12. PALISI POST-PICU/PREVENT. Sepsis and Respiratory Failure: Cause, Complication, or Long-term Outcome. June 19, 2023. Virtual Meeting

13. Children's Hospital of Philadelphia. Division of Pediatric Critical Care Medicine After the Hospital: Longer-Term Impacts of Pediatric Sepsis and Critical Illness. July 26, 2023, Virtual

14. Transitions of Care for Pediatric Sepsis Survivors: From Hospital to Home. Sepsis Alliance, 09/2023, Virtual

15. New and Progressive Medical Conditions after Pediatric Sepsis, Society of Critical Care Medicine, 02/2024 Phoenix, AZ.

16. The Cost of Pediatric (Critical) Illness. Pediatric Grand Rounds, Northwestern University, 05/2024 Chicago, IL.

17. What's the Cost: Financial Impacts of Pediatric (Critical) Illness. Pediatric Grand Rounds, University of Illinois-Chicago, 06/2024 Chicago, IL (presented virtuall).

18. After the Hospital: Longer term impacts of pediatric sepsis .University of Michigan Department of

Pediatrics Grand Rounds, February 2023
19. Pediatric Sepsis-New Definitions. University of Michigan Pediatric Advanced Practice Provider Grand Rounds, July 2024
20. Pediatric Sepsis Definitions: MD Anderson Sepsis Day, September 2024
21. The Ongoing Impact-Survivorship after Pediatric Sepsis, University of Iowa Grand Rounds, February 2025
22. Pediatrics Year in Review-Clinical Science, Society of Critical Care Medicine, 2025 Orlando, Florida
23. Existing Datasets, POST-PICU/PNCRG Joint seminar, virtual, June 2025
24. Alternate Funding Mechanisms, PALISI Clinical Research Course, Salt Lake City, Utah, March 2026

Publications/Scholarship

(Co-First Author *; Corresponding author **; Co-Last author ***)

Journal Article

1. Kohne JG, **Carlton EF**, Gorga SM, Gebremariam A, Quasney MW, Zimmerman J, Reeves SL, Barbaro RP: Oxygenation Severity Categories and Long-Term Quality of Life among Children who Survive Septic Shock. *Journal of Pediatric Intensive Care*, 9/2020

2. Gorga SM, Sliwicki AL, Sturza J, **Carlton EF**, Barbaro RP, Basu RK: Variability in Clinician Awareness of Intravenous Fluid Administration in Critical Illness: A Prospective Cohort Study. *Journal of Pediatric Intensive Care*, 9/2022

3. Teng Q, Garrity-Moses M, Federici T, Tanase D, Liu JK, Mazarakis ND, Azzouz M, Walmsley LE, **Carlton E**, Boulis NM: Trophic activity of Rabies G protein-pseudotyped equine infectious anemia viral vector mediated IGF-I motor neuron gene transfer in vitro. *Neurobiol Dis*.20(3): 694-700, 12/2005. PM16005636

4. Yang J, Teng Q, Garrity-Moses ME, McClelland S, Federici T, **Carlton E**, Riley J, Boulis NM: Reversible unilateral nigrostriatal pathway inhibition induced through expression of adenovirus-mediated clostridial light chain gene in the substantia nigra. *Neuromolecular Med*.9(3): 276-284, 01/2007. PM17914186

5. **Carlton E**, Teng Q, Federici T, Yang J, Riley J, Boulis NM: Fusion of the tetanus toxin C fragment binding domain and Bcl-xL for protection of peripheral nerve neurons. *Neurosurgery*.63(6): 1175-1182, 12/2008. PM19057331

6. Marchi N, Fan Q, Ghosh C, Fazio V, Bertolini F, Betto G, Batra A, **Carlton E**, Najm I, Granata T, Janigro D: Antagonism of peripheral inflammation reduces the severity of status epilepticus. *Neurobiol Dis*.33(2): 171-181, 02/2009. PM19010416

7. Franz CK, Federici T, Yang J, Backus C, Oh SS, Teng Q, **Carlton E**, Bishop KM, Gasmi M, Bartus RT, Feldman EL, Boulis NM: Intraspinal cord delivery of IGF-I mediated by adeno-associated virus 2 is neuroprotective in a rat model of familial ALS. *Neurobiol Dis*.33(3): 473-481, 03/2009. PM19135533

8. Falcone T, **Carlton E**, Franco K, Janigro D: Inflammation, psychosis, and the brain what is the clinical significance of slooβ in psychotic children and adolescents?. *Psychiatric Times*.26(7): 46-54, 07/2009

9. Granata T, Marchi N, **Carlton E**, Ghosh C, Gonzalez-Martinez J, Alexopoulos AV, Janigro D: Management of the patient with medically refractory epilepsy. *Expert Rev Neurother*.9(12): 1791-1802, 12/2009. PM19951138

10. Falcone T, Mishra L, **Carlton E**, Lee C, Butler RS, Janigro D, Simon B, Franco K: Suicidal behavior in adolescents with first-episode psychosis. *Clin Schizophr Relat Psychoses*.4(1): 34-40, 04/2010. PM20643627

11. Falcone T, **Carlton E**, Lee C, Janigro M, Fazio V, Forcen FE, Franco K, Janigro D: Does Systemic Inflammation Play a Role in Pediatric Psychosis?. *Clin Schizophr Relat Psychoses*.9(2): 65-78B, 01/2015. PM23491967

12. **Carlton EF**, Sontag MK, Younoszai A, DiMaria MV, Miller JI, Poindexter BB, Abman SH, Mourani PM: Reliability of Echocardiographic Indicators of Pulmonary Vascular Disease in Preterm Infants at Risk for Bronchopulmonary Dysplasia. *J Pediatr*.186: 29-33, 07/2017. PM28411949

13. Nellis ME, Karam O, Mauer E, Cushing MM, Davis PJ, Steiner ME, Tucci M, Stanworth SJ, Spinella PC, Pediatric Acute Lung Injury and Sepsis Investigato: Platelet Transfusion Practices in Critically Ill Children. *Crit Care Med*.46(8): 1309-1317, 08/2018. PM29727368

14. Nellis ME, Goel R, Karam O, Cushing MM, Davis PJ, Steiner ME, Tucci M, Stanworth SJ, Spinella PC, Pediatric Acute Lung Injury and Sepsis Investigato, P3T Investigators: Effects of ABO Matching of Platelet Transfusions in Critically Ill Children. *Pediatr Crit Care Med*.20(2): e61-e69, 02/2019. PM30422914

15. **Carlton EF**, Kohne JG, Shankar-Hari M, Prescott HC: Readmission Diagnoses After Pediatric Severe Sepsis Hospitalization. *Crit Care Med*.47(4): 583-590, 04/2019. PM30676337

16. Yagiela LM, **Carlton EF**, Meert KL, Odetola FO, Cousino MK: Parent Medical Traumatic Stress and Associated Family Outcomes After Pediatric Critical Illness: A Systematic Review. *Pediatr Crit Care Med*.20(8): 759-768, 08/2019. PM31107380

17. **Carlton EF**, Barbaro RP, Iwashyna TJ, Prescott HC: Cost of Pediatric Severe Sepsis Hospitalizations. *JAMA pediatrics*.173(10): 986-987, 10/2019. PM31403673

18. **Carlton EF**, Flori HR: Biomarkers in pediatric acute respiratory distress syndrome. *Ann Transl Med*.7(19): 505, 10/2019. PM31728358

19. **Carlton EF**, Donnelly JP, Hensley MK, Cornell TT, Prescott HC: New Medical Device Acquisition During Pediatric Severe Sepsis Hospitalizations. *Crit Care Med*.48(5): 725-731, 05/2020. PM32108704

20. **Carlton EF**, Kohne JG, Hensley MK, Prescott HC: Comparison of Outpatient Health Care Use Before and After Pediatric Severe Sepsis. *JAMA network open*.3(9): e2015214-e2015214, 09/2020. PM32910194

21. **Carlton EF**, Close J, Paice K, Dews A, Gorga SM, Sturza J, Barbaro RP, Cornell TT, Prescott HC: Clinician Accuracy in Identifying and Predicting Organ Dysfunction in Critically Ill Children. *Crit Care Med*.48(11): e1012-e1019, 11/2020. PM32804793

22. Gorga SM, **Carlton EF**, Kohne JG, Barbaro RP, Basu RK: Consensus Acute Kidney Injury Criteria Integration Identifies Children at Risk for Long-Term Kidney Dysfunction After Multiple Organ Dysfunction Syndrome. *Pediatr Nephrol*.36(6): 1637-1646, 06/2021. PM33427986

23. **Carlton EF**, Ice E, Barbaro RP, Kampuis L, Moss M, Angus DC, Banner-Goodspeed VM, Ginde AA, Gong MN, Grissom CK, Hou PC, Huang DT, Hough CT L, Talmor DS, Thompson BT, Yealy DM, Couper MP, Iwashyna TJ: Recall of Clinical Trial Participation and Attrition Rates in Survivors of Acute Respiratory Distress Syndrome. *J Crit Care*.64: 160-164, 08/2021. PM33906105

24. Gorga SM, **Carlton EF**, Kohne JG, Barbaro RP, Basu RK: Renal angina index predicts fluid overload in critically ill children: an observational cohort study. *BMC Nephrol*.22(1): 336, 10/2021. PM34635072

25. **Carlton EF**, Pinto N, Smith M, Fink EL, Watson RS, Hoehn KS, Marupudi N, Dervan LA, Lackey M, Ringwood M, Maddux AB, the POST-PICU Investigators of the PALISI Network : Overall Health Following Pediatric Critical Illness: A Scoping Review of Instruments and Methodology. *Pediatr Crit Care Med*.22(12): 1061-1071, 12/2021. PM34261948

26. **Carlton EF**, Donnelly JP, Prescott HC, Asaro LA, Barbaro RP, Watson RS, Curley MA Q, RESTORE Study Investigators: School and Work Absences After Critical Care Hospitalization for Pediatric Acute Respiratory Failure: A Secondary Analysis of a Cluster Randomized Trial. *JAMA Netw Open*.4(12): e2140732, 12/2021. PM34940862

27. Pollack BE, Barbaro RP, Selewski DT, **Carlton EF**: Lactic acidosis and multisystem organ failure following ibuprofen overdose requiring haemodialysis. *BMJ case reports*.15(2)01/2022. PM36649974

28. Viglianti EM, **Carlton EF**, McPeake J, Wang XQ, Seelye S, Iwashyna TJ: Acquisition of new medical devices among the persistently critically ill: A retrospective cohort study in the Veterans Affairs. *Medicine (Baltimore)*.101(27): e29821, 07/2022. PM35801748

29. Becker NV, Scott JW, Moniz MH, **Carlton EF**, Ayanian JZ: Association of Chronic Disease With Patient Financial Outcomes Among Commercially Insured Adults. *JAMA Intern Med*.182(10): 1044-1051, 10/2022. PM35994265

30. Pinto NP, Maddux AB, Dervan LA, Woodruff AG, Jarvis JM, Nett S, Killien EY, Graham RJ, Choong K, Luckett PM, Heneghan JA, Biagas K, **Carlton EF**, Hartman ME, Yagiela L, Michelson KN, Manning JC, Long DA, Lee JH, Slomine BS, Beers SR, Hall T, Morrow BM, Meert K, Arias Lopez MD P, Knoester H, Houtrow A, Olson L, Steele L, Schlapbach LJ, Burd RS, Grosskreuz R, Butt W, Fink EL, Watson RS, POST-PICU Investigators of the Pediatric Acute Lun: A Core Outcome Measurement Set for Pediatric Critical

Care. *Pediatr Crit Care Med*.23(11): 893-907, 11/2022. PM36040097

31. **Carlton EF**, Gebremariam A, Maddux AB, McNamara N, Barbaro RP, Cornell TT, Iwashyna TJ, Prosser LA, Zimmerman J, Weiss S, Prescott HC: New and Progressive Medical Conditions After Pediatric Sepsis Hospitalization Requiring Critical Care. *JAMA Pediatr*.176(11): e223554, 11/2022. PM36215045

32. Scott JW, Scott KW, Moniz M, **Carlton EF**, Tipirneni R, Becker NV: Financial Outcomes After Traumatic Injury Among Working-Age US Adults With Commercial Insurance. *JAMA Health Forum*.3(11): e224105-e224105, 11/2022. PM36367739

33. Viglianti EM, Admon AJ, **Carlton EF**, Denstaedt SJ, Valley TS, Costa DK, Cooke CR, Dickson R, Iwashyna TJ, Prescott HC: Development and Retention of Early-Career Clinician-Scientists through a Novel Peer Mentorship Program: Multidisciplinary Intensive Care Research Workgroup. *ATS Sch*.3(4): 588-597, 12/2022. PM36726705

34. **Carlton EF**, Yehya N: The future of paediatric acute respiratory distress syndrome. *Lancet Respir Med*.11(2): 121-123, 02/2023. PM36566766

35. Zakutansky SK, McCaffery H, Viglianti EM, **Carlton EF**: Characteristics and Outcomes of Young Adult Patients with Severe Sepsis Admitted to Pediatric Intensive Care Units Versus Medical/Surgical Intensive Care Units. *J Intensive Care Med*.38(3): 290-298, 03/2023. PM35950262

36. **Carlton EF**, Becker NV, Moniz MH, Scott JW, Prescott HC, Chua KP: Out-of-Pocket Spending for Non–Birth-Related Hospitalizations of Privately Insured US Children, 2017 to 2019. *JAMA Pediatrics*.: e230130-e230130, 03/2023. PM36972040

37. Mazloom A, Sears SM, **Carlton EF**, Bates KE, Flori HR: Implementing Pediatric Surviving Sepsis Campaign Guidelines: Improving Compliance With Lactate Measurement in the PICU. *Crit Care Explor*.5(4): e0906, 04/2023. PM37101534

38. Becker NV, **Carlton E**, Iwashyna T, Scott JW, Moniz M, Ayanian J: Patient adverse financial outcomes before and after COVID-19 infection. *Journal of Hospital Medicine*.18(5): 424-428, 05/2023. PM37069741

39. **Carlton EF**, Moniz MH, Scott JW, Prescott HC, Becker NV: Financial outcomes after pediatric critical illness among commercially insured families. *Critical Care*.27(1): 227-227, 06/2023. PM37291638

40. **Carlton EF**, Moniz MH, Scott JW, Prescott HC, Prosser LA, Becker NV: Preexisting Financial Hardship Among Caregivers of Hospitalized Children. *JAMA Pediatrics*.177(7): 732-733, 07/2023. PM37126328

41. Pollack BE, Barbaro RP, Gorga SM, **Carlton EF**, Gaies M, Kohne JG: Hospital ECMO capability is associated with survival in pediatric cardiac arrest. *Resuscitation*.188: 109853, 07/2023. PM37245647

42. Phelps KB, Gebremariam A, Andrist E, Barbaro RP, Freed GL, **Carlton EF**: Children with severe sepsis: relationship between community level income and morbidity and mortality. *Pediatr Res*.94(2): 837-844, 08/2023. PM36804502

43. Moniz MH, Stout MJ, Kolenic GE, **Carlton EF**, Scott JW, Miller MM, Becker NV: Association of Childbirth with Medical Debt. *Obstetrics and Gynecology*.10.1097/AOG.0000000000000538109/2023. PM37769313

44. Odetola FO, **Carlton EF**, Dews A, Anspach RR, Evans MC, Howell JD, Keenan H, Kolovos NS, Levin AB, Mendelson J, Ushay HM, Yager PH: A Tale of 8 Cities: Pediatric Critical Care Redeployment to Adult Care During Wave 1 of COVID-19. *Hosp Pediatr*.13(9): 822-832, 09/2023. PM37646091

45. **Carlton EF**, Perry-Eaddy MA, Prescott HC. Context and Implications of the New Pediatric Sepsis Criteria. *JAMA*. 2024 Feb 27;331(8):646-649. doi: 10.1001/jama.2023.27979. PMID: 38245890.

46. Moniz MH, Stout MJ, Kolenic GE, **Carlton EF**, Scott JW, Miller MM, Becker NV. Association of Childbirth With Medical Debt. *Obstetrics Gynecology.* 2024 Jan 1;143(1):11-13. doi: 10.1097/AOG.0000000000005381. Epub 2023 Sep 28. PMID: 37769313.

47. Smith KA, **Carlton EF**, Rider E, Whittington T, Gorga SM. Prevalence of Hospital Websites with Post-Intensive Care Syndrome-pediatrics (PICS-p) Information. *Pediatric Research.* 2024 Feb;95(3):590-592. doi: 10.1038/s41390-023-02867-w. Epub 2023 Oct 21. PMID: 37865709.

48. Phelps KB, Pliakas M, Coughlin AK, McKissic D, Rappaport L, **Carlton EF**: Optimizing Pediatric Rapid Response Teams: Stakeholder Focus Groups. *Hosp Pediatr*.14(9): 766-772, 09/2024. PM39183668

49. Christner LP, **Carlton EF**, Gorga S, Whittington T, Odetola FO: The 2022-2023 Pediatric Respiratory Illness Surge: Survey of Acute and Critical Care Resource Use. *Disaster Med Public Health Prep*.18: e127, 09/2024. PM39291318

50. Sears SM, Coughlin AK, Nelson K, Stillwell T, **Carlton EF**, Flori HR: Barriers and facilitators to effective electronic health record-based sepsis screening in the pediatric intensive care unit. *JAMIA Open*.7(3): ooae048, 10/2024. PM38978714

51. **Carlton EF**, Rahman M, Maddux AB, Weiss SL, Prescott HC: Frequency of and Risk Factors for Increased Healthcare Utilization After Pediatric Sepsis Hospitalization. *Crit Care Med*.52(11): 1700-1709, 11/2024. PM39297738

52. Pliakas MC, **Carlton EF**, Brennan S, Brown D, Getchell L, O'Neal D, Phelps KB, Shaw R, Strohacker C, Coughlin AK. Implementation of a Checklist Tool to Improve Understanding of Rapid Response Team Protocols. J Intensive Care Med. 2025 Jun;40(6):611-622. doi: 10.1177/08850666241309860. Epub 2025 Jan 9. PubMed PMID: 39784106.

53. Admon AJ, **Carlton EF.** Causal Discovery in Sepsis-A (Random) Walk in the Park?. JAMA Netw Open. 2025 Aug 1;8(8):e2527496. doi: 10.1001/jamanetworkopen.2025.27496. PubMed PMID: 40828539; PubMed Central PMCID: PMC12439329.

54. Hazle MS, Horner G, Ross M, McCaffery H, Malas N, **Carlton EF**, Jacobson E. Documenting Pediatric Delirium During Transitions of Care: A Single Site Observational Study. J Intensive Care Med. 2025 Oct;40(10):1081-1088. doi: 10.1177/08850666251339457. Epub 2025 May 13. PubMed PMID: 40356555.

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