

Massachusetts General Hospital Department of Emergency Medicine
Faculty Publication List
July-December 2022

RESEARCH INVESTIGATIONS

(Journals with Impact Factor >10 are highlighted)

1. [Emergency Department Clinician Experience with Embedded Palliative Care.](#) Neugarten C, Stanley M, Erickson S, Baldeo R, **Aaronson E**. *J Palliat Med.* 2022 Sep 8. doi: 10.1089/jpm.2022.0106. Online ahead of print.PMID: 3607408
2. [Communication training and code status conversation patterns reported by emergency clinicians.](#) Prachanukool T, **Aaronson EL**, Lakin JR, Higuchi M, Lee RS, Santangelo I, Hasdianda MA, Wang W, George N, Liu SW, **Kennedy M**, Schonberg MA, Block SD, Tulsy JA, Ouchi K. *J Pain Symptom Manage.* 2022 Oct 17:S0885-3924(22)00928-9. doi: 10.1016/j.jpainsymman.2022.10.006. Online ahead of print.PMID: 36265695
3. [Mapping the future for research in emergency medicine palliative care: A research roadmap.](#) **Aaronson EL**, Wright RJ, Ritchie CS, Grudzen CR, Ankuda CK, Bowman JK, Kuntz JG, Ouchi K, George N, Jubanyik K, Bright LE, Bickel K, Isaacs E, Petrillo LA, Carpenter C, Goett R, LaPointe L, Owens D, Manfredi R, Quest T. *Acad Emerg Med.* 2022 Aug;29(8):963-973. doi: 10.1111/acem.14496. Epub 2022 Jun 4.PMID: 35368129
4. [Improving Sepsis Management Through the Emergency Quality Network Sepsis Initiative.](#) Rodos A, **Aaronson E**, Rothenberg C, Goyal P, Sharma D, Slesinger T, Schuur J, Venkatesh A. *Jt Comm J Qual Patient Saf.* 2022 Nov;48(11):572-580. doi: 10.1016/j.jcjq.2022.08.002. Epub 2022 Aug 5.PMID: 36137885
5. [Developing a novel integrated geriatric palliative care consultation program for the emergency department.](#) Stoltenberg MJ, **Kennedy M**, Rico J, Russell M, Petrillo LA, Engel KG, Kamdar M, Ouchi K, Wang DH, Bernacki RH, Biese K, **Aaronson E**. *J Am Coll Emerg Physicians Open.* 2022 Dec 11;3(6):e12860. doi: 10.1002/emp2.12860. eCollection 2022 Dec.PMID: 36518882
6. [Assessing the Acceptability and Feasibility of Leveraging Emergency Department Social Workers' Advanced Communication Skills to Assess Elderly Patients' Goals and Values.](#) **Aaronson EL**, **Kennedy M**, Gillis-Crouch G, Zheng H, Jacobsen J, Ouchi K, Jackson V, Ritchie CS, Gioiella ME, Greenwald JL. *J Palliat Med.* 2022 Dec 22. doi: 10.1089/jpm.2022.0136. Online ahead of print.PMID: 36576866

7. [An emergency department nurse led intervention to facilitate serious illness conversations among seriously ill older adults: A feasibility study.](#) Ouchi K, Lee RS, Block SD, **Aaronson EL**, Hasdianda MA, Wang W, Rossmassler S, Palan Lopez R, Berry D, Sudore R, Schonberg MA, Tulskey JA. *Palliat Med.* 2022 Nov 15;2692163221136641. doi: 10.1177/02692163221136641. Online ahead of print. PMID: 36380515
8. [Goals of Care Conversations Documented by an Embedded Emergency Department-Palliative Care Team during COVID.](#) Bowman JK, **Aaronson EL**, Petrillo LA, Jacobsen JC. *J Palliat Med.* 2022 Nov 15. doi: 10.1089/jpm.2022.0314. Online ahead of print. PMID: 36378862
9. [Podocyturia: an earlier biomarker of cardiovascular outcomes.](#) Eid AA, Habib RH, Chehab O, **Al Jalbout N**, Tamim H, Makki M, El Bejjani M, Lima J, Badr KF. *Sci Rep.* 2022 Dec 13;12(1):21563. doi: 10.1038/s41598-022-26162-6. PMID: 36513746
10. [COVID-19 Seroprevalence in ED Health Care Professionals Study: A Cross-Sectional Study.](#) Yun BJ, **Baugh JJ**, **Dutta S**, **Brown DFM**, **Temin ES**, Turbett SE, Shenoy ES, **Biddinger PD**, Dighe AS, Kays K, **Parry BA**, McKaig B, Beakes C, Margolin J, Russell N, Lodenstein C, McEvoy DS, **Filbin MR**. *J Emerg Nurs.* 2022 Jul;48(4):417-422. doi: 10.1016/j.jen.2022.04.003. Epub 2022 Apr 22. PMID: 35697551
11. [Impact of Emergency Department Crowding on Discharged Patient Experience.](#) Berlyand Y, Copenhaver MS, **White BA**, **Dutta S**, **Baugh JJ**, Wilcox SR, Yun BJ, **Raja AS**, **Sonis JD**. *West J Emerg Med.* 2022 Dec 31. doi: 10.5811/westjem.2022.10.58045. Online ahead of print. PMID: 36602494
12. [CT utilization in evaluation of skin and soft tissue extremity infections in the ED: Retrospective cohort study.](#) Lee AH, Berlyand Y, **Dutta S**, Succi MD, **Sonis JD**, Yun BJ, **Raja AS**, Prabhakar A, **Baugh JJ**. *Am J Emerg Med.* 2023 Feb;64:96-100. doi: 10.1016/j.ajem.2022.11.035. Epub 2022 Dec 5. PMID: 36502653
13. [Impact of iodinated contrast allergies on emergency department operations.](#) Berlyand Y, Fraga JA, Succi MD, Yun BJ, Lee AH, **Baugh JJ**, Whitehead D, **Raja AS**, Prabhakar AM. *Am J Emerg Med.* 2022 Nov;61:127-130. doi: 10.1016/j.ajem.2022.08.052. Epub 2022 Sep 5. PMID: 36096014
14. [Development and implementation of a clinical decision support system tool for the evaluation of suspected monkeypox infection.](#) Albin JS, Lazarus JE, Hysell KM, Rubins DM, Germaine L, Dugdale CM, Heller HM, Hohmann EL, **Baugh JJ**, Shenoy ES. *J Am Med Inform Assoc.* 2022 Nov 14;29(12):2124-2127. doi: 10.1093/jamia/ocac151. PMID: 36036367

15. [Level-loading a health system by transferring emergency department patients to a community hospital: Prospective cohort study.](#) Lee AH, Berlyand Y, Dunn PF, Goralnick E, Le LH, **Raja AS, Baugh JJ**, Cooper S, Yun BJ. *Am J Emerg Med.* 2022 Oct;60:29-33. doi: 10.1016/j.ajem.2022.07.037. Epub 2022 Jul 18.PMID: 35882180
16. [Feasibility and Acceptability of a Model Disaster Teleconsultation System for Regional Disaster Health Response.](#) Boyle TP, Ludy S, Meguerdichian D, Dugas JN, Drainoni ML, Litvak M, Bedenbaugh RT, Schmidt L, Miller K, **Biddinger PD**, Goralnick E. *Telemed J E Health.* 2022 Aug 25. doi: 10.1089/tmj.2022.0103. Online ahead of print.PMID: 36036805
17. [Non-anaesthetist-administered ketamine for emergency caesarean section in Kenya: cost-effectiveness analysis.](#) Resch SC, Suarez S, Omotayo MO, Griffin J, Sessler D, **Burke T.** *BMJ Open.* 2022 Oct 5;12(10):e051055. doi: 10.1136/bmjopen-2021-051055.PMID: 36198454
18. [A ketamine package for use in emergency cesarean delivery when no anesthetist is available: An analysis of 401 consecutive operations.](#) **Burke TF**, Mantena S, Opondo K, Orero S, Rogo K. *Int J Gynaecol Obstet.* 2022 Aug;158(2):377-384. doi: 10.1002/ijgo.13965. Epub 2021 Oct 28.PMID: 3460610
19. [Resource use decrease after implementation of care bundles for treatment of postpartum hemorrhage.](#) Escobar MF, Valencia P, Jaimes LM, Hincapié LC, Pulgarín EE, Nasner D, Carvajal J, Echavarría MP, **Burke T**, Prada S. *J Matern Fetal Neonatal Med.* 2022 Dec;35(25):7874-7881. doi: 10.1080/14767058.2021.1937989. Epub 2021 Jun 10.PMID: 34112062
20. [Every Second Matters - uterine balloon tamponade implementation across ten medical colleges in Maharashtra and Madhya Pradesh in India: A qualitative study.](#) Posever N, Sipahi S, Shivkumar PV, **Burke TF.** *Int J Gynaecol Obstet.* 2022 Dec;159(3):817-824. doi: 10.1002/ijgo.14178. Epub 2022 Mar 28.PMID: 35278216
21. [Feasibility and impact of a postpartum hemorrhage emergency care package using a bundle approach in Migori County, Kenya.](#) Gonte MR, Peifer HG, Meara G, Otieno B, Oguttu M, **Burke TF.** *Int J Gynaecol Obstet.* 2022 Dec 13. doi: 10.1002/ijgo.14612. Online ahead of print.PMID: 36511785
22. [Impact of the introduction of a low-cost uterine balloon tamponade \(ESM-UBT\) device for managing severe postpartum hemorrhage in India: A comparative before-and-after study.](#) **Burke TF**, Shivkumar PV, Priyadarshani P, Garg L, Conde-Agudelo A, Guha M. *Int J Gynaecol Obstet.* 2022 Nov;159(2):466-473. doi: 10.1002/ijgo.14156. Epub 2022 Mar 16.PMID: 35212417

23. [Changes in BMI During the COVID-19 Pandemic.](#) Knapp EA, Dong Y, Dunlop AL, Aschner JL, Stanford JB, Hartert T, Teitelbaum SL, Hudak ML, Carroll K, O'Connor TG, McEvoy CT, O'Shea TM, Carnell S, Karagas MR, Herbstman JB, Dabelea D, Ganiban JM, Ferrara A, Hedderson M, Bekelman TA, Rundle AG, Alshawabkeh A, Gilbert-Diamond D, Fry RC, Chen Z, Gilliland FD, Wright RJ, **Camargo CA**, Jacobson L, Lester BM, Hockett CW, Hodges ML, Chandran A; Environmental Influences on Child Health Outcomes. *Pediatrics*. 2022 Sep 1;150(3):e2022056552. doi: 10.1542/peds.2022-056552.PMID: 35768891
24. [U.S. Emergency Department Telepsychiatry Use in 2019.](#) Freeman RE, Zhong C, Bahar P, Boggs KM, Faridi MK, Sullivan AF, **Zachrisson KS, Camargo CA**. *Telemed J E Health*. 2022 Jul 22. doi: 10.1089/tmj.2022.0191. Online ahead of print.PMID: 3586705
25. [A Multistate Survey of Pediatric Emergency Care Coordinator Activities.](#) **Samuels-Kalow ME**, Boggs KM, Alpern ER, **Camargo CA Jr**. *Pediatr Emerg Care*. 2022 Sep 1;38(9):423-425. doi: 10.1097/PEC.0000000000002713. Epub 2022 Apr 19.PMID: 36040462
26. [Pediatric Telehealth Use in U.S. Emergency Departments in 2019.](#) Boggs KM, Glew D, Rahman KN, Gao J, Boyle TP, **Samuels-Kalow ME**, Sullivan AF, **Zachrisson KS, Camargo CA**. *Telemed J E Health*. 2022 Sep 13. doi: 10.1089/tmj.2022.0310. Online ahead of print.PMID: 36103263
27. [Confirming racial/ethnic disparities in the management of severe bronchiolitis.](#) Zheng DX, Goel R, Mitri EJ, Tedesco KT, Mansbach JM, Sullivan AF, Espinola JA, **Camargo CA Jr**. *Am J Emerg Med*. 2022 Aug;58:333-335. doi: 10.1016/j.ajem.2022.03.045. Epub 2022 Mar 28.PMID: 35370036
28. [United States 2020 Emergency Medicine Resident Workforce Analysis.](#) Bennett CL, Clay CE, Espinola JA, Krzyzaniak SM, **Egan DJ, Camargo CA Jr**. *Ann Emerg Med*. 2022 Jul;80(1):3-11. doi: 10.1016/j.annemergmed.2022.03.007. Epub 2022 May 12.PMID: 35570180
29. [Development of a Unified National Database of Burn Centers With Colocated Emergency Departments, 2020.](#) Lu LY, Boggs KM, Espinola JA, Sullivan AF, **Cash RE, Camargo CA**. *J Burn Care Res*. 2022 Sep 1;43(5):1066-1073. doi: 10.1093/jbcr/irab238.PMID: 34893840
30. [Pediatric Patient Insurance Status and Regionalization of Admissions.](#) **Samuels-Kalow ME**, Gao J, Boggs KM, **Camargo CA Jr, Zachrisson KS**. *Pediatr Emerg Care*. 2022 Sep 12. doi: 10.1097/PEC.0000000000002820. Online ahead of print.PMID: 36099536

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32. [Nasopharyngeal metatranscriptome profiles of infants with bronchiolitis and risk of childhood asthma: a multicentre prospective study](#). Raita Y, Pérez-Losada M, Freishtat RJ, Hahn A, Castro-Nallar E, Ramos-Tapia I, Stearrett N, Bochkov YA, Gern JE, Mansbach JM, **Zhu Z**, **Camargo CA**, **Hasegawa K**. *Eur Respir J*. 2022 Jul 13;60(1):2102293. doi: 10.1183/13993003.02293-2021. Print 2022 Jul.PMID: 34916264
33. [Sociodemographic Variation in Children's Health Behaviors During the COVID-19 Pandemic](#). Bekelman TA, Knapp EA, Dong Y, Dabelea D, Bastain TM, Breton CV, Carroll KN, **Camargo CA**, Davis AM, Dunlop AL, Elliott AJ, Ferrara A, Fry RC, Ganiban JM, Gilbert-Diamond D, Gilliland FD, Hedderson MM, Hipwell AE, Hockett CW, Huddleston KC, Karagas MR, Kelly N, Lai JS, Lester BM, Lucchini M, Melough MM, Mihalopoulos NL, O'Shea TM, Rundle AG, Stanford JB, VanBronkhorst S, Wright RJ, Zhao Q, Sauder KA; program collaborators for Environmental influences on Child Health Outcomes (ECHO). *Child Obes*. 2022 Jul 19. doi: 10.1089/chi.2022.0085. Online ahead of print.PMID: 35856858
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35. [Integrated relationship of nasopharyngeal airway host response and microbiome associates with bronchiolitis severity](#). Fujiogi M, Raita Y, Pérez-Losada M, Freishtat RJ, Celedón JC, Mansbach JM, Piedra PA, **Zhu Z**, **Camargo CA Jr**, Hasegawa K. *Nat Commun*. 2022 Aug 30;13(1):4970. doi: 10.1038/s41467-022-32323-y.PMID: 36042194
36. [Prehospital care for asthma and COPD exacerbations: A review of U.S. state emergency medical services protocols](#). Peters GA, **Cash RE**, Kolb LM, Goldberg SA, **Camargo CA Jr**. *Am J Emerg Med*. 2022 Sep;59:192-194. doi: 10.1016/j.ajem.2022.05.015. Epub 2022 May 13.PMID: 355894
37. [Genetic control of serum 25\(OH\)D levels and its association with ethnicity](#). Grant MJ, Wu Z, Snell R, Sluyter J, Khaw KT, Waayer D, **Camargo CA Jr**, Scragg R. *J Steroid Biochem Mol Biol*. 2022 Sep;222:106149. doi: 10.1016/j.jsbmb.2022.106149. Epub 2022 Jun 24.PMID: 3576029

38. [Development of a unified national database of primary percutaneous coronary intervention centers with co-located emergency departments, 2020.](#) Herscovici DM, Boggs KM, **Cash RE**, Espinola JA, Sullivan AF, **Hasegawa K**, **Nagurney JT**, **Camargo CA Jr**. *Am Heart J*. 2022 Sep 11;254:149-155. doi: 10.1016/j.ahj.2022.08.012. Online ahead of print.PMID: 36099978
39. [Prediction of Vitamin D Deficiency in Older Adults: The Role of Machine Learning Models.](#) Sluyter JD, Raita Y, **Hasegawa K**, Reid IR, Scragg R, **Camargo CA**. *J Clin Endocrinol Metab*. 2022 Sep 28;107(10):2737-2747. doi: 10.1210/clinem/dgac432.PMID: 35876536
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41. [Changes in scientific characteristics of abstracts accepted to the Society for Academic Emergency Medicine Annual Meeting, 1990-2020.](#) **Camargo CA Jr**, Boggs KM, **Cash RE**, Doshi VP, Isaacson HH, **Hasegawa K**, **Raja AS**. *Acad Emerg Med*. 2022 Oct;29(10):1221-1228. doi: 10.1111/acem.14576. Epub 2022 Aug 17.PMID: 35913429
42. [Circulating cardiac biomarkers improve risk stratification for incident cardiovascular disease in community dwelling populations.](#) Wu Z, Pilbrow AP, Liew OW, Chong JPC, Sluyter J, Lewis LK, Lasse M, Frampton CM, Jackson R, Poppe K, **Camargo CA Jr**, Cameron VA, Scragg R, Richards AM. *EBioMedicine*. 2022 Aug;82:104170. doi: 10.1016/j.ebiom.2022.104170. Epub 2022 Jul 15.PMID: 35850010
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44. [Trends in demographic and employment characteristics of US emergency medical technicians and paramedics, 2011-2019.](#) **Cash RE**, Powell JR, Peters GA, Goldberg SA, Panchal AR, **Camargo CA Jr**. *J Am Coll Emerg Physicians Open*. 2022 Jul 7;3(4):e12776. doi: 10.1002/emp2.12776. eCollection 2022 Aug.PMID: 35832199
45. [Timing of Cow's Milk Protein Introduction and Childhood Adverse Reactions to Cow's Milk.](#) Switkowski KM, Oken E, Rifas-Shiman SL, **Camargo CA Jr**, Gold DR, Sordillo JE, Lightdale JR. *J Allergy Clin Immunol Pract*. 2022

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48. [Risk factors for SARS-CoV-2 infection and transmission in households with children with asthma and allergy: A prospective surveillance study.](#) Seibold MA, Moore CM, Everman JL, Williams BJM, Nolin JD, Fairbanks-Mahnke A, Plender EG, Patel BB, Arbes SJ, Bacharier LB, Bendixsen CG, Calatroni A, **Camargo CA Jr**, Dupont WD, Furuta GT, Gebretsadik T, Gruchalla RS, Gupta RS, Khurana Hershey GK, Murrison LB, Jackson DJ, Johnson CC, Kattan M, Liu AH, Lussier SJ, O'Connor GT, Rivera-Spoljaric K, Phipatanakul W, Rothenberg ME, Seroogy CM, Teach SJ, Zoratti EM, Togias A, Fulkerson PC, Hartert TV; HEROS study team. *J Allergy Clin Immunol*. 2022 Aug;150(2):302-311. doi: 10.1016/j.jaci.2022.05.014. Epub 2022 Jun 1.PMID: 35660376
49. [Oral vitamin D modulates the epidermal expression of the vitamin D receptor and cathelicidin in children with atopic dermatitis.](#) Cabalín C, Pérez-Mateluna G, Iturriaga C, **Camargo CA Jr**, Borzutzky A. *Arch Dermatol Res*. 2022 Oct 22. doi: 10.1007/s00403-022-02416-1. Online ahead of print.PMID: 36273083
50. [Increased Body Mass Index and Metabolic Syndrome Are Associated with Poor Outcomes in SARS-CoV-2-Positive Emergency Department Patients.](#) Thoppil JJ, Stewart LK, Pung L, Nordenholz KE, **Camargo CA**, Courtney DM, Kline JA; RECOVER Network. *J Obes Metab Syndr*. 2022 Sep 30;31(3):245-253. doi: 10.7570/jomes22011. Epub 2022 Aug 3.PMID: 35918837
51. [Human Epidemiology and RespOnse to SARS-CoV-2 \(HEROS\): Objectives, Design and Enrollment Results of a 12-City Remote Observational Surveillance Study of Households with Children using Direct-to-Participant Methods.](#) Fulkerson PC, Lussier SJ, Bendixsen CG, Castina SM, Gebretsadik T, Marlin JS, Russell PB, Seibold MA, Everman JL, Moore CM, Snyder BM, Thompson K, Tregoning GS, Wellford S, Arbes SJ, Bacharier LB, Calatroni A, **Camargo CA**, Dupont WD, Furuta GT, Gruchalla RS, Gupta RS, Hershey GK, Jackson DJ, Johnson CC, Kattan M, Liu AH, Murrison L, Oâ Connor GT, Phipatanakul W, Rivera-Spoljaric K, Rothenberg ME, Seroogy CM, Teach SJ, Zoratti EM, Togias

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53. [Effect of Recent Exacerbation History on the Efficacy of Once-Daily Single-Inhaler Fluticasone Furoate/Umeclidinium/Vilanterol Triple Therapy in Patients with Chronic Obstructive Pulmonary Disease in the FULFIL Trial.](#) Panettieri RA Jr, Camargo CA Jr, Cheema T, El Bayadi SG, Fiel S, Vila TM, Jain RG, Midwinter D, Thomashow B, Ludwig-Sengpiel A, Lipson DA. *Int J Chron Obstruct Pulmon Dis.* 2022 Sep 1;17:2043-2052. doi: 10.2147/COPD.S367701. eCollection 2022.PMID: 36072608
54. [Characteristics of Individuals in the United States Who Used Opioids During Pregnancy.](#) Nguyen RHN, Knapp EA, Li X, **Camargo CA**, Conradt E, Cowell W, Derefinko KJ, Elliott AJ, Friedman AM, Khurana Hershey GK, Hofheimer JA, Lester BM, McEvoy CT, Neiderhiser JM, Oken E, Ondersma SJ, Sathyanarayana S, Stabler ME, Stroustrup A, Tung I, McGrath M. *J Womens Health (Larchmt).* 2022 Nov 9. doi: 10.1089/jwh.2022.0118. Online ahead of print.PMID: 36350685
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60. [Characteristics of Pediatric Patient Transfers From General Emergency Departments in California From 2005 to 2018.](#) Lee MO, Wall J, Saynina O, **Camargo CA Jr**, Wang NE. *Pediatr Emerg Care*. 2022 Nov 28. doi: 10.1097/PEC.0000000000002885. Online ahead of print.PMID: 36440988
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