

# Publications

## Key publications

[Cost-effectiveness of strategies for caring for critically ill patients with COVID-19 in Tanzania](#) Shah, H.A., Baker, T., Schell, C.O. et al. *PharmacoEconomics* Open (2023).

[Essential Emergency and Critical Care: A Priority for Health Systems Globally.](#) Buowari DY, Owoo C, Gupta L, Schell CO, Baker T. *Crit Care Clin.* 2022 Oct 1;38(4):639–56.

[Essential Emergency and Critical Care – a consensus among global clinical experts.](#) Schell CO, Khalid K, Wharton-Smith A, Oliwa J., Sawe H, Roy N, Sanga A, Marshall JC., Rylance J, Hanson C, Kayambankadzanja RK, Jirwe M, Baker, T. *BMJ Glob Health.* 2021 Sep;6(9):e006585.

[Essential care of critical illness must not be forgotten in the COVID-19 pandemic.](#) Baker T, Schell CO, Petersen DB, Sawe H, Khalid K, Mndolo S, Rylance J, McAuley DF, Roy N, Marshall J, Wallis L, Molyneux E. *The Lancet.* 2020 Apr 18;395(10232):1253-1254

[The global need for essential emergency and critical care.](#) Schell CO, Gerdin Wärnberg M, Hvarfner A, Höög A, Baker U, Castegren M, Baker T. *Critical Care.* Oct.2018; 22(1): 284.

## Articles about EECC

**The African Critical Illness Outcomes Study (ACIOS): A Point Prevalence Study of Critical Illness in 22 Nations in Africa.** Baker T, Scribante J, Muhammed E et al. PREPRINT available at SSRN: <https://ssrn.com/abstract=4955306>

[Essential Emergency and Critical Care: Training Global Champions in Tanzania](#) Saria P, Khalid K, Baker T. *Association of Anaesthetists: Anaesthesia news.* Sep 2024, 443:26-27.

**Essential Emergency and Critical Care**, Schell CO, Khalid K, Baker T, in [Hospitals in Health Systems : Opportunities for Efficient, High-quality, and Integrated Care \(English\)](#), pp. 169-177. Chopra M; Hou X; Nimako KT, Roder-Dewan, S. Washington, D.C.: World Bank Group (2024).

[Health care workers' experiences of calling-for-help when taking care of critically ill patients in hospitals in Tanzania and Kenya.](#) Mkumbo, E.G., Willows, T.M., Odongo Onyango, O. et al. *BMC Health Serv Res* 24, 821 (2024).

[Capability to identify and manage critical conditions: effects of an interprofessional training intervention.](#) Santesson, I., Schell, C.O. & Bjurling-Sjöberg, P. *BMC Med Educ* 24, 584 (2024).

[Improving The Care of Critically Ill Patients: Lessons Learned from The Promotion of Essential Emergency and Critical Care In Tanzania: A Qualitative Study.](#) Kaliza A, Mlunde L, Schell CO, Khalid K, Sawe H et al. medRxiv 2024.05.24.24307887

[The hospital burden of critical illness across global settings: a point-prevalence and cohort study in Malawi, Sri Lanka and Sweden.](#) Otto Schell, Raphael Kayambankadzanja, Abigail Beane, Andreas Wellhagen, et al. PREPRINT. medRxiv 2024.03.14.24304275

[Critical Care Beyond the ICU – What Is Essential?](#) Muzuka A, Kaliza A, Moll V. *ASA Monitor* March 2024, Vol 88, 20-21.

[Hospital readiness for the provision of care to critically ill patients in Tanzania– an in-depth cross-sectional study.](#) Khalid, K., Schell, C.O., Oliwa, J. et al. *BMC Health Serv Res* 24, 182 (2024).

[Strategies for Oxygen Ecosystems in Middle-Income Countries: A Review and Case Study from Lebanon.](#) Tim Baker, Claudio Gatti, Guido Rossini et al., *Emergency Medicine International*, vol. 2024, Article ID 9964636, 8 pages, 2024.

[The burden of critical illness among adults in a Swedish region—a population-based point-prevalence study.](#) Schell, C.O., Wellhagen, A., Lipcsey, M. et al. *Eur J Med Res* 28, 322 (2023).

[Critical illness at the emergency department of a Tanzanian national hospital in a three-year period 2019–2021](#) Mboya, E.A., Ndumwa, H.P., Amani, D.E. et al. *BMC Emerg Med* 23, 86 (2023).

[A health systems approach to critical care delivery in low-resource settings: a narrative review](#) Spencer, S.A., Adipa, F.E., Baker, T. et al *Intensive Care Med* 49, 772–784 (2023).

[Essential Emergency and Critical Care as a health system response to critical illness and the COVID19 pandemic: What does it cost?](#) Guinness L, Kairu A, Kuwawenaruwa A, Khalid K, Awadh K, Were V, et al. *Cost Effectiveness and Resource Allocation*. 2023;21(1):15.

[Same label, different patients: health-workers’ understanding of the label ‘critical illness’.](#) Mkumbo E, Mulenga Willows T, Onyango O, Khalid K, Maiba J, Schell CO, Oliwa J, McKnight J, Baker T. *Frontiers of Health Services* 2023; 3.

[Global Critical Care: A Call to Action.](#) Crawford AM, Shiferaw AA, Ntambwe P, Milan AO, Khalid K, Rubio R, Nizeyimana F, Ariza F, Mohammed AD, Baker T, Banguti PR, Madzimbamuto F. *Critical Care* 2023;27(1):28.

[Essential Emergency and Critical Care: Improving the care of all critically ill patients worldwide.](#) Ntogwiachu D, Baker T. *World Anaesthesia News*. 2022;July 22(1):6-9.

[Resource use, availability and cost in the provision of critical care in Tanzania: a systematic review.](#) Kazibwe J, Shah HA, Kuwawenaruwa A, Schell CO, Khalid K, Tran PB, Ghosh S, Baker T, Guinness L., *BMJ open*. 2022;12(11):e060422.

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[Unmet need of essential treatments for critical illness in Malawi](#)  
Kayambankadzanja RK, Schell CO, Mbingwani I, Mndolo SK, Castegren M, Baker T.. *PLoS One*. 2021 Sep 10;16(9):e0256361.

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Baker T, Schultz MJ, Dünser MW. *The Lancet* 2011 Apr 23;377(9775) (Corr)

## Articles of interest

### [Combining quality improvement and critical care training: Evaluating an ICU CPR training programme quality improvement initiative at the National Hospital in Tanzania.](#)

Strelzer S, Julius J, Anicet N, *et al* *BMJ Open Quality* 2024;**13**:e002891. doi: 10.1136/bmjopen-2024-002891

### [Critical Care in Resource-Limited Settings: Shedding Light and Providing Light...and Hope\\*](#).

Mer, Mervyn MD, PhD. *Critical Care Medicine* 52(11):p 1801-1804, November 2024.

### [Burnout Among Nurses Working in Critical Care Units in Africa: An Integrative Review.](#)

Gundo, R., Mulenga, C., Chiluzi, B., Gowero, N., Gundo, B., Nyaka, G., & Chisoni, F. *International Journal of Critical Care* 18(2), 13–26, 2024.

### [A Perioperative Quality Improvement Program for Cesarean Delivery in Ethiopia: A Stepped-Wedge Cluster Randomized Clinical Trial.](#)

Mammo TN, Feyssa MD, Nofal MR, *et al.* *JAMA Netw Open.* 2024;**7**(8):e2428910.

### [Capacity for delivery of paediatric emergency care and the current use of emergency triage, assessment and treatment in health facilities in the Busoga region, Uganda—A mixed methods study.](#)

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### [An Oxygen Supply Is Not Enough: A Qualitative Analysis of a Pressure Swing Adsorption Oxygen Plant Program in Ethiopian Hospitals.](#)

Smith V, Changoor A, Rummage S *et al.* *Global Health: Science and Practice* Aug 2024, 12 (4) e2300515.

### [Etiology of hospital mortality in children living in low- and middle-income countries: a systematic review and meta analysis.](#)

Teresa Kortz *et al.* *Frontiers in Pediatrics* 2024;**12**;2296-2360.

### [The Acute Respiratory Intervention StudiEs in Africa \(ARISE-AFRICA\) study PROTOCOL.](#)

Kwizera A, Kabatoro D, Owachi D, *et al.* *BMJ Open* 2024;**14**:e082223.

### [Improving effective coverage of medical-oxygen services for neonates and children in health facilities in Uganda: a before–after intervention study](#)

Graham, Hamish R *et al.* *The Lancet Global Health*, Volume 12, Issue 9, e1506 - e1516

### [Family supplemented patient monitoring after surgery \(SMARTER\): a pilot stepped-wedge cluster-randomised trial.](#)

Hewitt-Smith, Adam *et al.* *British Journal of Anaesthesia*, Volume 0, Issue 0

### [Long-term outcomes and associated factors among intensive care unit survivors in a low-income country: a multicenter prospective cohort study.](#)

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### [Care of the critically ill begins in the emergency medicine setting.](#)

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[Boarding in the emergency department: challenges and mitigation strategies.](#) da Silva Ramos, Fernando J, Freitas, Flavio G.R, Machado, Flavia R. *Current Opinion in Critical Care*, March 2024.

[The Critical Care Anesthesiologist Outside the ICU](#) Hoyler M, Deshpande R, Moll V, Kaufman M. *ASA Monitor* April 2024, Vol. 88, 17–18.

[Critical Foundations of Care – Global Assumptions Harm Critically Ill Patients.](#) Crawford A, Sheyo N. *ASA Monitor* March 2024, Vol 88, 15-16.

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[Implementation of a fast triage score for patients arriving to a low resource hospital in Uganda.](#) Jjukira Vianney, Immaculate Nakitende, Joan Nabiryo *et al. African Journal of Emergency Medicine* 14,:1:2024, p45-50,

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[Hospital care for critical illness in low-resource settings: lessons learned during the COVID-19 pandemic.](#) English M, Oliwa J, Khalid K, *et al. BMJ Global Health* 2023;8:e013407.

[Development and delivery of a higher diploma in emergency medicine and critical care for clinical officers in Kenya.](#) Peter Halestrap, David Aliba, George Otieno, B. Jason Brotherton, Hannah W. Gitura, Jonathan E. Matson, Burton W. Lee, Evelyn Mbugua. *African Journal of Emergency Medicine* 13; 4; 225-229 (2023)

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