

# REFERENCES

## Environmental Sustainability in critical care E-learning

### The Big Picture

- <https://www.thelancet.com/countdown-health-climate>
- Montgomery, H. 2024. Final call: Climate Change and us. *J. R. Coll. Physicians Edinb.* 54(1). DOI [10.1177/14782715241239085](https://doi.org/10.1177/14782715241239085)
- <https://showyourstripes.info>
- <https://biodiversitystripes.info>
- De Waele, J. J, et al. Environmental sustainability in intensive care: the path forward. An ESICM Green Paper. *Intensive Care Med.* 50(11). DOI [10.1007/s00134-024-07662-7](https://doi.org/10.1007/s00134-024-07662-7)

### Environmental Impact of ICU

- Tennison, I. et al. 2021. Health care's response to climate change: a carbon footprint assessment of the NHS in England. *Lancet Planet Health.* 2. DOI [10.1016/S2542-5196\(20\)30271-0](https://doi.org/10.1016/S2542-5196(20)30271-0)
- Pollard, A. S. et al. 2014. The carbon footprint of acute care: how energy intensive is critical care? *Public Health.* 9. DOI [10.1016/j.puhe.2014.06.015](https://doi.org/10.1016/j.puhe.2014.06.015)
- Hunfeld, N. et al. 2023. Circular material flow in the intensive care unit-environmental effects and identification of hotspots. *Intensive Care Med.* 1. DOI [10.1007/s00134-022-06940-6](https://doi.org/10.1007/s00134-022-06940-6)
- Schuster, M. et al. 2020. Ecological Sustainability in Anaesthesiology and Intensive Care Medicine. A DGAI and BDA Position Paper with Specific Recommendations. *Anästhesiologie Intensivmedizin* 61. DOI: [10.19224/ai2020.329](https://doi.org/10.19224/ai2020.329)
- A database of healthcare's environmental impacts: <https://healthcarelca.com>
- Rizan, C. et al. 2021. The carbon footprint of waste streams in a UK hospital. *J Clean Prod.* 286. DOI: [10.1016/j.jclepro.2020.125446](https://doi.org/10.1016/j.jclepro.2020.125446)
- Imhof, R. et al. 2021. Gloves use and possible barriers - an observational study with concluding questionnaire. *GMS Hyg Infect Control* 16. DOI [10.3205/dgkh000379](https://doi.org/10.3205/dgkh000379)
- McGain, F. et al. 2019. Why be sustainable? *Anaesthesia and Intensive Care* 47(5). DOI [10.1177/0310057X19884075](https://doi.org/10.1177/0310057X19884075)
- Bein, T. and McGain, F. 2023. Climate responsibilities in intensive care medicine-let's go green!. *Intensive Care Med.* 1. DOI [10.1007/s00134-022-06930-8](https://doi.org/10.1007/s00134-022-06930-8)
- Fang, L. et al. 2022. Sustainability in anaesthesia and critical care: beyond carbon. *BJA Educ.* 12. DOI [10.1016/j.bjae.2022.08.005](https://doi.org/10.1016/j.bjae.2022.08.005)
- Sustainable Healthcare Coalition. 2017. [Environmental Impact of CRRT with Prismaflex.](https://www.shc.org.uk/Environmental-Impact-of-CRRT-with-Prismaflex)

### Pathway to Sustainability

- Zimmerman, J. J. et al. 2021. Choosing Wisely For Critical Care: The Next Five. *Crit Care Med.* 49 (3). DOI [10.1097/ccm.0000000000004876](https://doi.org/10.1097/ccm.0000000000004876)
- Tume, L. N. and Aitken, L. M. 2024. De-implementation of low value clinical practices is essential for critical care nurses. *Nurs Crit Care* 29 (2). DOI [10.1111/nicc.13028](https://doi.org/10.1111/nicc.13028)
- Prasad, P.A. et al. 2022. Environmental footprint of regular and intensive inpatient care in a large US hospital. *Int J Life Cycle Assess* 27, DOI [10.1007/s11367-021-01998-8](https://doi.org/10.1007/s11367-021-01998-8)
- Sanchez, S. A. et al. 2020. Environmental and economic comparison of reusable and disposable blood pressure cuffs in multiple clinical settings. *Resources, Conservation and Recycling* 155. [10.1016/j.resconrec.2019.104643](https://doi.org/10.1016/j.resconrec.2019.104643)
- SusQI: <https://www.susqi.org>
- Arora, N. et al. 2021. Delivery of oxygen by standard oxygen flowmeters. *Anaesthesia* 76. DOI [10.1111/anae.15548](https://doi.org/10.1111/anae.15548)
- Bodley, T. et al. 2023. Reducing unnecessary diagnostic phlebotomy in intensive care. *BMJ Quality & Safety* 32. DOI [10.1136/bmjqs-2022-015358](https://doi.org/10.1136/bmjqs-2022-015358)
- Barbariol, F. et al. 2021. Evaluation of Drug Wastage in the Operating Rooms and Intensive Care Units of a Regional Health Service. *Anesthesia & Analgesia* 132(5). DOI [10.1213/ANE.0000000000005457](https://doi.org/10.1213/ANE.0000000000005457)
- MacNeill, A. J. et al. 2020. Transforming The Medical Device Industry: Road Map To A Circular Economy. *Health Affairs* 39. DOI [10.1377/hlthaff.2020.01118](https://doi.org/10.1377/hlthaff.2020.01118)
- Sick-Samuels, A.C. et al. 2022. Diagnostic Stewardship in the Pediatric Intensive Care Unit. *Infect Dis Clin North Am.* 36.(1). DOI [10.1016/j.idc.2021.11.003](https://doi.org/10.1016/j.idc.2021.11.003)
- Kirkdale et al. 2023. The 2023 intensive care society cauldron: Five ways to tackle sustainability. *J Intensive Care Soc.* 25(1). DOI [10.1177/17511437231212072](https://doi.org/10.1177/17511437231212072)
- Baid, H. et al. 2023. Towards Net Zero: Critical Care. *BMJ* 381. DOI [10.1136/bmj-2021-069044](https://doi.org/10.1136/bmj-2021-069044)