

International Journal of Population Data Science

Journal Website: www.ijpds.org



An Evaluation of Critical Care Follow-Up Clinic attendance and subsequent Healthcare Utilisation in Wales, UK: A Retrospective, Population-Level Data-Linkage Study

Laura Herbert¹, Paul Twose², Jane Lyons¹, Rowena Bailey¹, Richard Pugh³, and Paul Twose⁴

¹Swansea University, Swansea, United Kingdom

²Cardiff and Vale UHB, Cardiff, United Kingdom

³Betsi Cadwaladr UHB, North Wales, United Kingdom

⁴Cardiff University, Cardiff, United Kingdom

Objectives

This study evaluated the impact of critical care follow-up clinics in Wales by comparing demographics between patients who attended or did not attend clinics. Additionally, we assessed the impact of clinic attendance on healthcare resource utilisation (HRU) and patient outcomes during the first year post-discharge from critical care.

Methods

We conducted retrospective population-level cohort study using anonymised, linked administrative data in the Secure Anonymised Information Linkage (SAIL) Databank. We analysed patient demographics and HRU metrics including critical care readmissions, GP events, emergency department attendances, and hospital days. Data were stratified by invitation and attendance status, and multivariable regression models were used to evaluate the impact of clinic attendance on HRU.

Results

Preliminary analysis revealed demographic differences between patients who attended and did not attend critical care follow-up clinics. We will also present the results of our analysis on the impact of follow-up clinic attendance on HRU.

Conclusion

This study is the first to evaluate the impact of critical care follow-up clinics in Wales. The findings suggest variability in both provision and impact of follow-up clinics, underscoring the potential benefits of these clinics and the need for further research to optimise their implementation and effectiveness.



Temporary page!

$\LaTeX$ was unable to guess the total number of pages correctly. As there was some unprocessed data that should have been added to the final page this extra page has been added to receive it.

If you rerun the document (without altering it) this surplus page will go away, because $\LaTeX$ now knows how many pages to expect for this document.