

Use of IV closed systems after quality program implementation in Valencian Community hospitals

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Introduction

Different clinical practice guidelines, based on scientific evidence, establish, among other recommendations, the use of IV closed systems as key components to reduce the incidence of bacteraemias related to vascular catheters.

Objectives

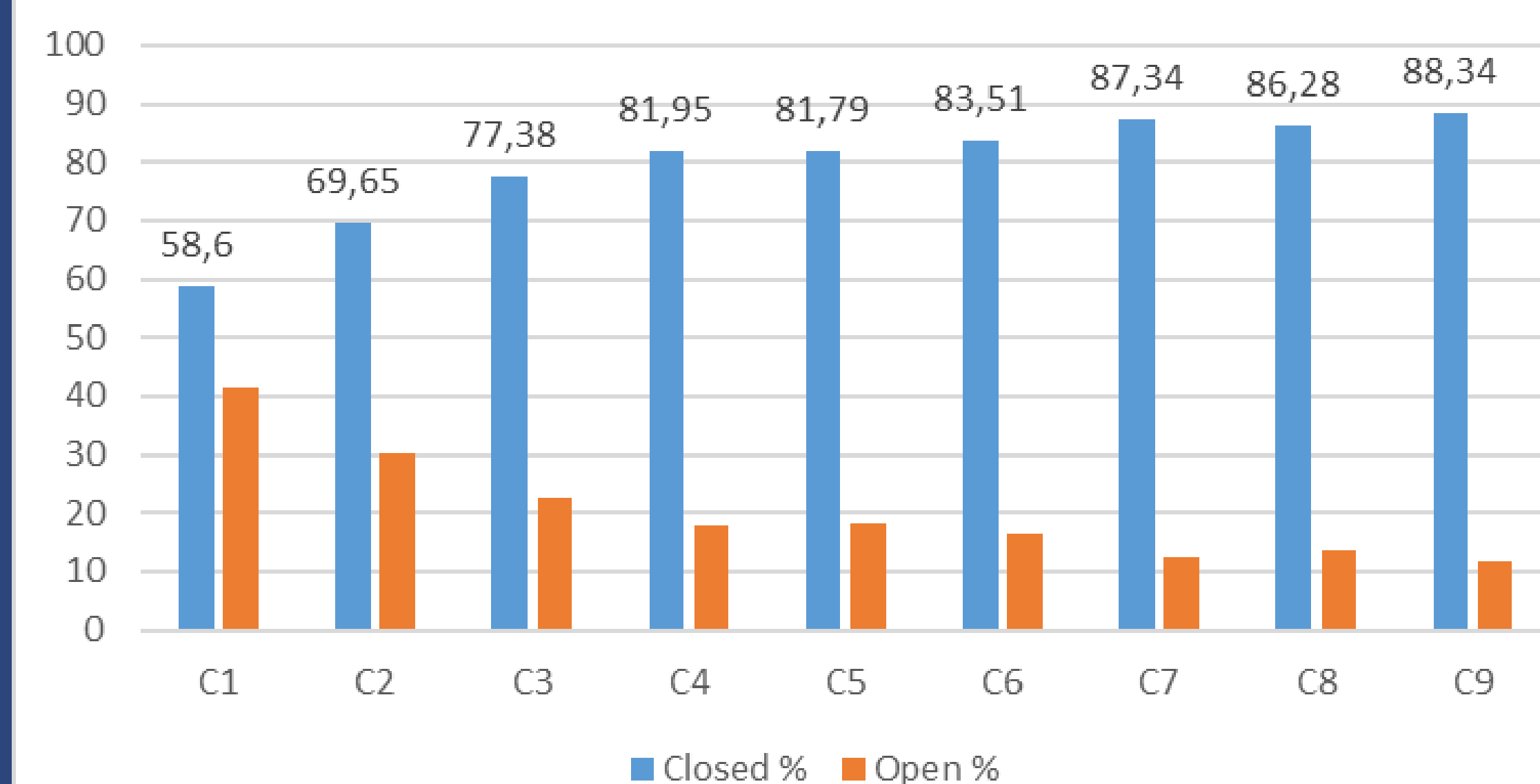
Identify the material resources that are being used for the maintenance of venous access, the degree of implementation of the use of closed systems and the evaluation and monitoring of the impact after the implementation of a quality program in our hospitals

Methodology

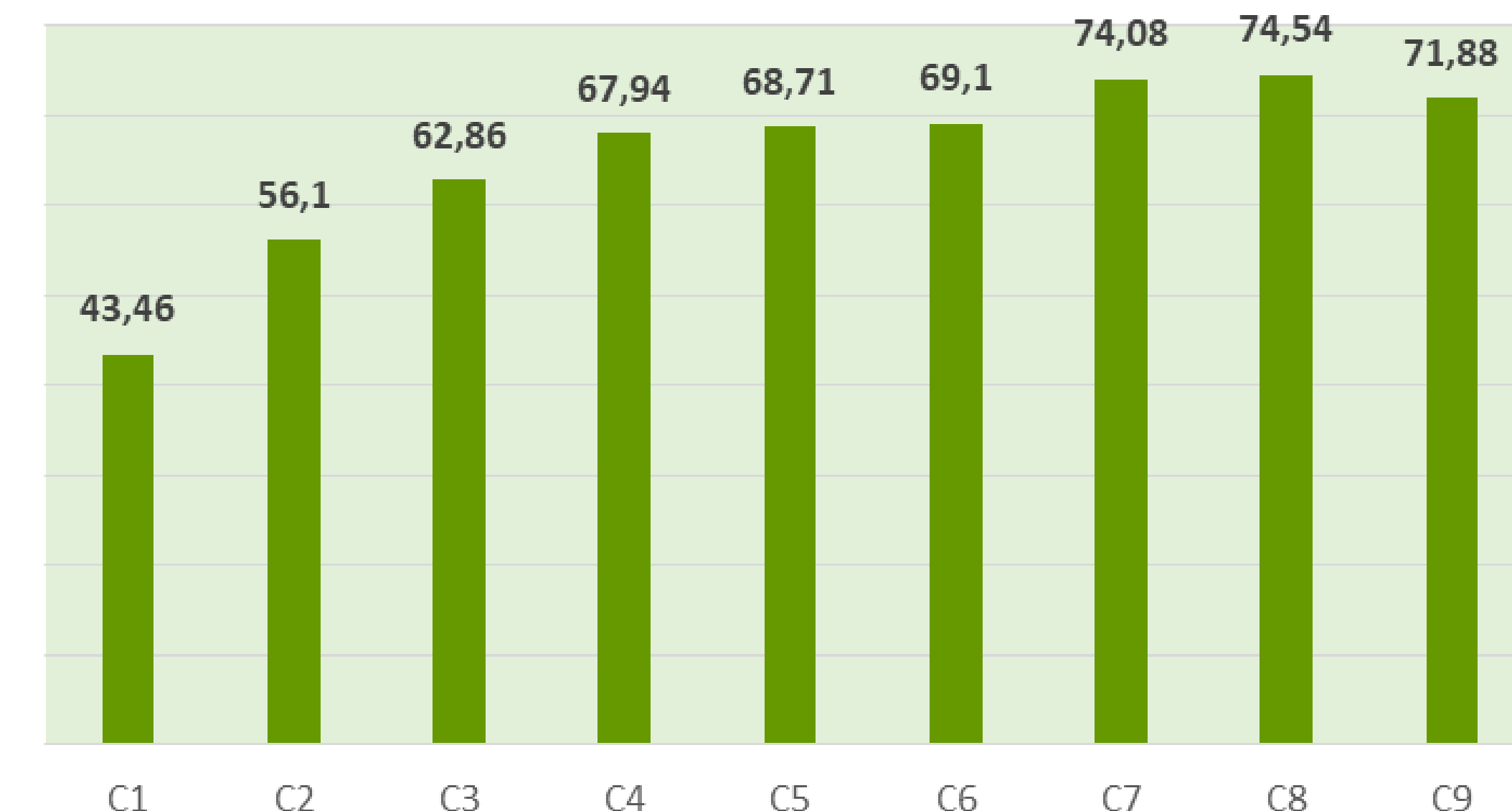
- 2019: 9 observational cross sections.
- Trained and approved professionals recorded the data.
- Hospitals were classified according to their category.
- Patients admitted > 14 years with vascular access were included.
- The materials used post-catheter, use of three-step keys, state of the lines, if the intravenous (IV) systems were opened / closed among many other variables were recorded.

Results

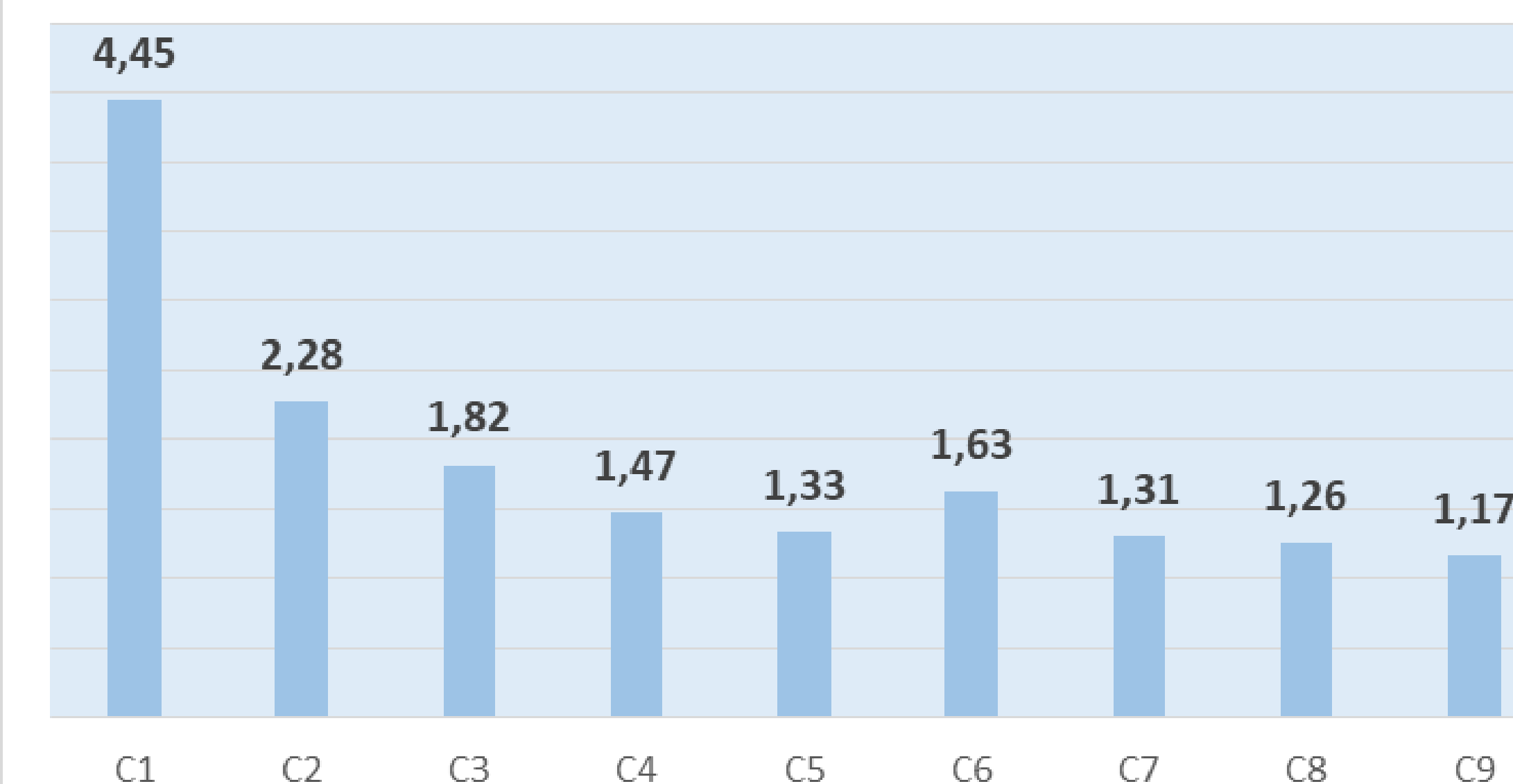
Open vs Closed IV System



Safety connectors %



Phlebitis %



Conclusion

The recommendations made by the quality program, based on scientific evidence on the most appropriate materials to be used in vascular accesses and the results obtained, have an impact on the improvement in the level of quality in vascular access care.

