EHMA 2024

Shaping and managing innovative health ecosystems

THE HOSPITAL PERFORMANCE ASSESSMENT BY PABON LASSO

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Politehnica University of Bucharest, Bucharest, Romania

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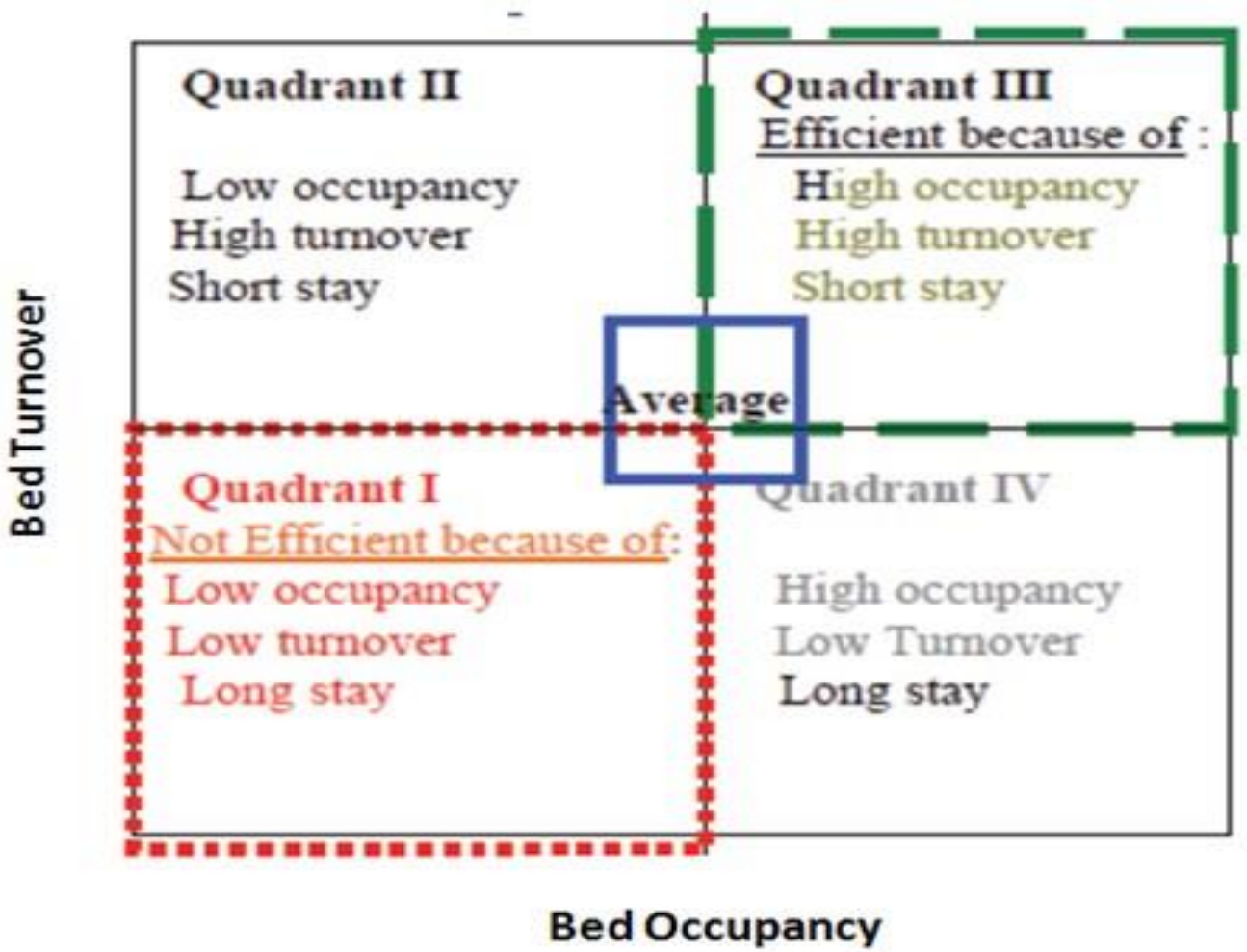
Background and objectives

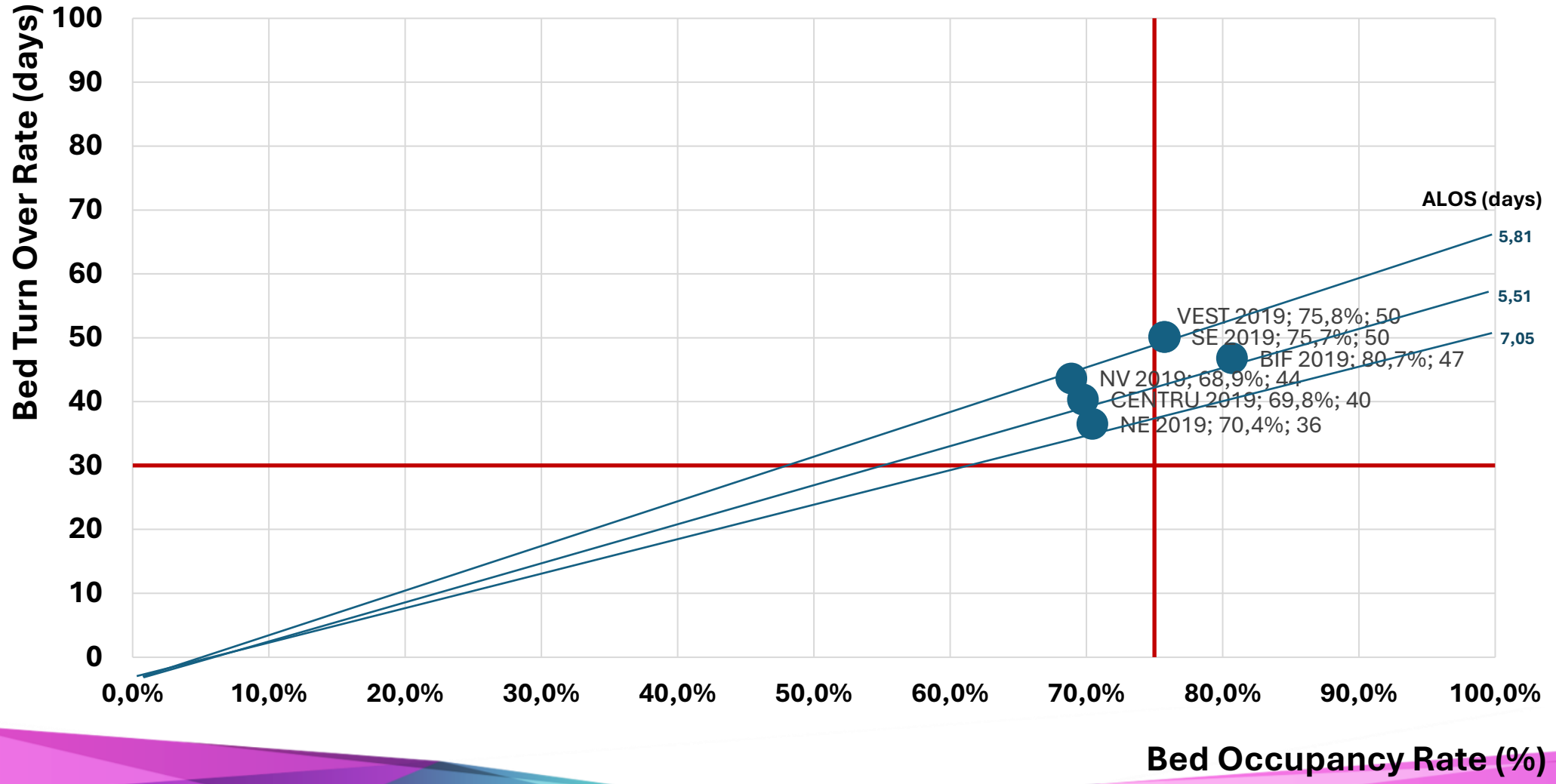
- Hospital sector is the most resource consuming part of a health
- system (50%);
- We selected only hospitals category I and I-M from six regions; Pabon Lasso model is used for decision makers (both hospital management and political decisions)

Methods

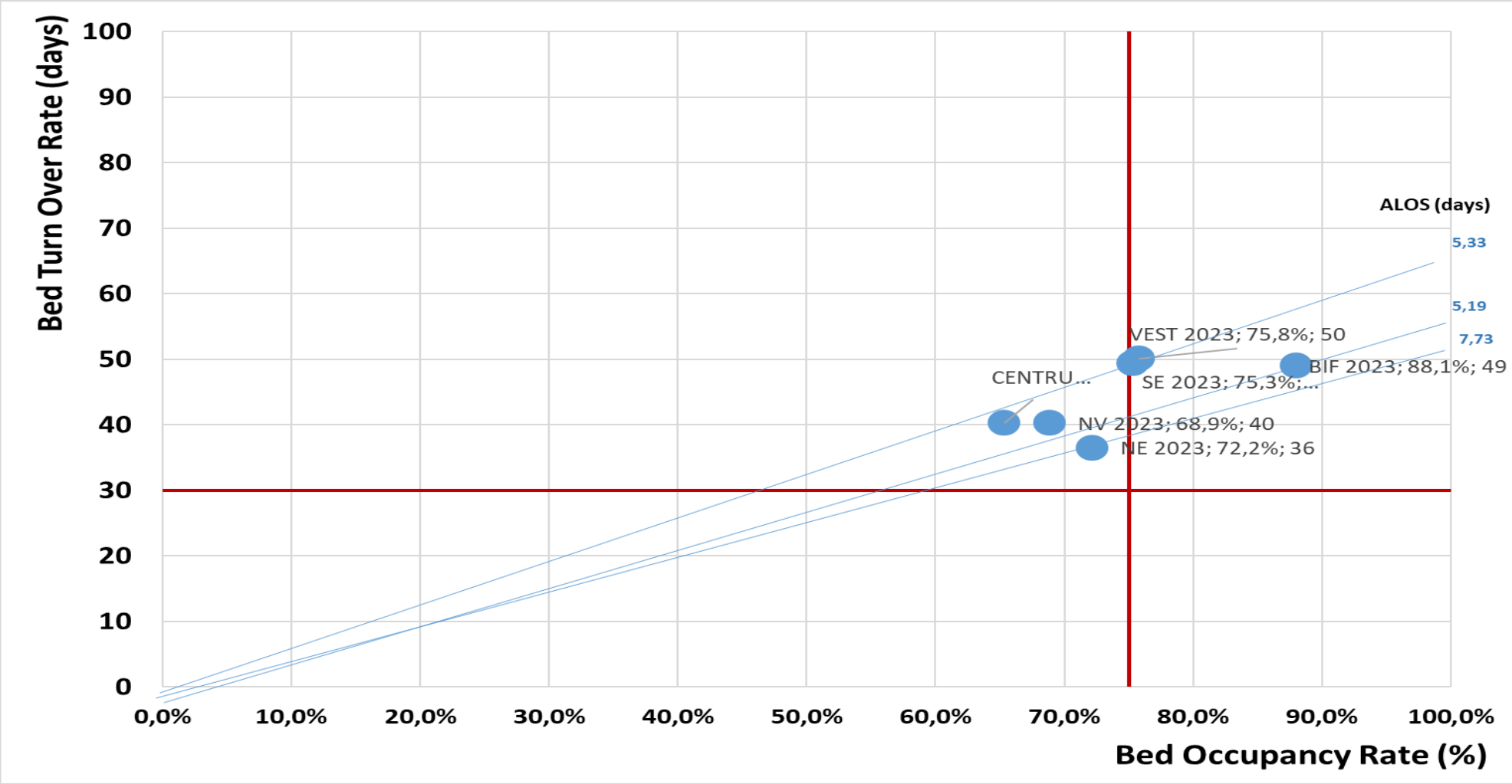
- The DRG National database was used for extracting data reported by hospitals
- Only hospitals with surgical departments were included
- Three classical hospital performance indicators (average length of stay, bed occupancy rate and bed turnover)
- The statistical software SPSS 27 and EXCEL was used for analysis


Quadrant II
Low occupancy
High turnover
Short stay
Quadrant III
Efficient because of :
High occupancy
High turnover
Short stay
Average
Quadrant I
Not Efficient because of:
Low occupancy
Low turnover
Long stay
Quadrant IV
High occupancy
Low Turnover
Long stay
Bed Turnover
Bed Occupancy

Pabon Lasso Model – year 2019



Pabon Lasso Model – year 2023



Discussions

- By applying the Pabon Lasso Model and the comparative analysis between regions in the Romanian context and at the level of surgical departments, we signal the necessity to use developed and validated methods for measuring and comparing hospital performance in order to provide decision making process with valid and scientific evidence.
- The performance of Romanian hospitals is evaluated by a wider grid of indicators, but the use of these 3 complex indicators is essential for a quick and correct evaluation picture. That is why we consider it useful and necessary to extrapolate this analysis in the future to all categories of hospitals in Romania.
- This model offers complex information, so it can be used for decision making

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Thank you

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