## **Accepted Manuscript**

Economies of scope in the health sector: The case of Portuguese hospitals

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PII: \$0377-2217(17)30892-5 DOI: 10.1016/j.ejor.2017.09.044

Reference: EOR 14722

To appear in: European Journal of Operational Research

Received date: 5 May 2017
Revised date: 14 August 2017
Accepted date: 29 September 2017



Please cite this article as: D.C. Ferreira, R.C. Marques, A.M. Nunes, Economies of scope in the health sector: The case of Portuguese hospitals, *European Journal of Operational Research* (2017), doi: 10.1016/j.ejor.2017.09.044

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#### ACCEPTED MANUSCRIPT

### Highlights

- We propose a generalized linearization procedure for the order- $\alpha$  method.
- We search for economies of scope in Portuguese public hospitals, 2002-2009.
- $\bullet$  Obstetrics, gynaecology, and paediatrics, and psychiatric services are analyzed.
- Considerable economies and diseconomies of scope were found.
- Diseconomies of scope are more likely in larger hospitals.

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