

## **Digitization in the hospital sector - do size, strategy and profitability influence the degree of digitization of a hospital?**

### **Background**

As part of the «DigitalRadar» project, an evaluation of the level of digital maturity of hospitals is conducted in Germany in accordance with Section 14b of the German Hospital Act (KHG). The maturity model developed with the help of the Chair of Healthcare Management at the HSG enables a standardized and comprehensive evaluation of the degree of digitization of hospitals by conducting and evaluating a survey or self-assessment of the hospitals. The goals of the project are,

- to assess the basic status of digitization in German hospitals,
- to analyze the effects of the current financial support for digitization with regard to the degree of digitization, and
- to investigate the effects of digitization on the quality of patient care.

The funding project is intended to identify fields of action for improving healthcare provision and working conditions in hospitals. In addition, the economic performance of hospitals is to be increased and innovations and the exchange of health data are to be promoted.

### **Data**

In the course of the first phase of the «DigitalRadar» project, data points were collected and processed to assess the status quo of the degree of digitization in hospitals. These can now be used for scientific analyses and are available at the chair.

### **Possible research topic «Economies of scale & digitization»**

The bachelor's or master's thesis could investigate whether, for example, the following factors influence the degree of digitization of hospitals:

- the affiliation of a hospital to a hospital group
- the size of the hospital / hospital group
- the sponsorship of the hospital / hospital group
- the IT strategy of the hospital / hospital group
- the economic performance of the hospital / hospital group

If you are interested in and/or have questions about the above-mentioned topic and would like to write your thesis here, we look forward to hearing from you at [Elena.Bleibtreu@unisg.ch](mailto:Elena.Bleibtreu@unisg.ch) and [Justus.Vogel@unisg.ch](mailto:Justus.Vogel@unisg.ch). You can also propose your own research topic, we are happy to advise you here. In general, we can supervise all students of medicine (Joint Medical Master), Business Administration, Economics and International Relations.

We are looking forward to your exposé with a proposal of a concrete research question, methodology and approach!