## Abstract

# Implementation Challenges for Danish Hospitals in Digital Transformation

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## Abstract

**Background:** Increased digitalization of hospitals is a goal for national and regional health strategies. Since 2019, it has been an explicit goal to increase the use of virtual consultation with hospital patients. Two years after the start of the pandemic, virtual consultation for hospital patients has increased. At Odense University Hospital (OUH), we have seen a 30% and 337% increase in the annual number of telephone and video consultations with patients, respectively. However, the annual number of video consultations is still below 1% of the total number of outpatient visits.

**Objective:** This presentation describes challenges that may explain the slow implementation of telemedicine at OUH and how these challenges are handled in practice.

**Methods:** The description is based on 12 meetings with hospital managers and staff at OUH. Analysis of the content of the meetings has been condensed into the major themes specified in the results.

**Results:** Three main challenges have been found: (1) uncertainty regarding the quality of telemedicine interventions, (2) uncertainty regarding the technical and communicative skills needed to do video consultation, and (3) misunderstandings regarding the economic consequences of telemedicine. To address the uncertainty among our staff toward the clinical quality of telemedicine, a database including randomized trials of telemedicine interventions described in the PubMed database from 2010-2022 was produced. The database shows that more than 96% of interventions results in similar or improved clinical outcomes for selected patient groups. To ensure the skills needed by the hospital staff to do video consultation, we have offered courses in the technical and communicative aspects of video consultation to interested departments. Finally, some members of our staff believe that reducing the number of physical visits may reduce the hospital budget, which is contrary to the actual financial agreements with capitation payment. To address this misunderstanding, information about the true economic consequences of implementing telemedicine has been provided.

**Conclusions:** Successful implementation of telemedicine requires more than solid evidence; it also requires initiatives focusing on the challenges among the hospital staff.

Conflicts of Interest: None declared.

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## KEYWORDS

implementation; digital transformation; hospitals



### **IPROCEEDINGS**

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