

## Medical secretaries' experiences from the implementation of a new Electronic Health Record.

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Helsetjenesteforskningskonferansen 2.-3. November 2023

Note: Slides have been slightly edited due to up-coming publication.







### **Background**

- Implementation of electronic health records (EHR) worldwide
- Clerical personnel, i.e., medical secretaries, have been instrumental in accommodating for the growing need for documentation and coordination of patient data.
- Medical secretaries connect the clerical-administrative work with the clinical work as they maintain and record patient related activities > do a fair share of "data-work" (Foster et al., 2018).
- However, medical secretaries' work labelled repetitive, routine and precarious in danger of being automated (Møller, 2018).



#### **Medical secretaries**

- Responsible for a broad range of tasks, been called "the organizational glue" and "the connecting thread" between professional groups in the hospital (Bertelsen & Nøhr, 2005).
- Make sure patient information is correct and usable
- Patient administration: schedule patients, patient admission and discharge
- Support clinicians
- Ordering diagnostic or therapeutic examination or procedures
- Invisible and low-status work (Bossen, Jensen & Udsen, 2014).



#### Aim and method:

- Investigate how the work of medical secretaries is impacted by the implementation of a novel EHR.
- Semi-structured interviews with medical secretaries, implementation leaders, healthcare personnel (N=10)



### **Analysis and findings:**

Based on qualitative content analysis of the interview-data, we identified three changes that the new EHR had brought for the medical secretaries:

- Tedious assemblage of patients' information assembling the patient bit by bit
- Increased formalisation of workflows learning the formal legislator basis for secretarial workflows
- Reconfiguration of work-interfaces between medical secretaries and healthcare professionals



## **Concluding remarks**

- Time-consuming learning processes related to EHR, and patient information registration and assemblage.
- Secretaries are experiencing up-skilling in "data-work" due to the substantial work they do linked to ensuring patient data is correct and reliable.
- Up-skilling of the legislative basis of their work practice.
- De-skilling in some sense related to the work-interface with doctors. Some of the data-work has shifted hands from secretaries to doctors.



#### Literature

- Bertelsen, P., and Nøhr, C. (2005): The work practice of medical secretaries and the implementation of electronic health records in Denmark. *Health Information Management Journal*, 34(4).
- Bossen, C., Jensen, L. G., & Udsen, F. W. (2014): Boundary-object trimming: On the invisibility of medical secretaries' care of records in healthcare infrastructures. Computer Supported Cooperative Work (CSCW), 23, 75-110.
- Foster, J., McLeod, J., Nolin, J., & Greifeneder, E. (2018). Data work in context: Value, risks, and governance. *Journal of the Association for Information Science and Technology*, 69(12), 1414-1427.
- Møller, N. L. H. (2018). The future of clerical work is precarious. *Interactions*, 25(4), 75-77.



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