



# To study the implementation and use of Health Information System and to capture the impact of its using in healthcare organizations

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# Introduction

- Increased need and pressure for implementing information technology in all healthcare domains
- Evaluating such IT applications to help decision makers to acquire knowledge about the impact of IT-based systems as a key issue to all organizations that aim to implement any new application
- Increased need to evaluate IT-applications.
- Knowledge about the benefits, effects and impacts of IT
- Information about which areas are specially influenced and about which kind of outputs



## Aim:

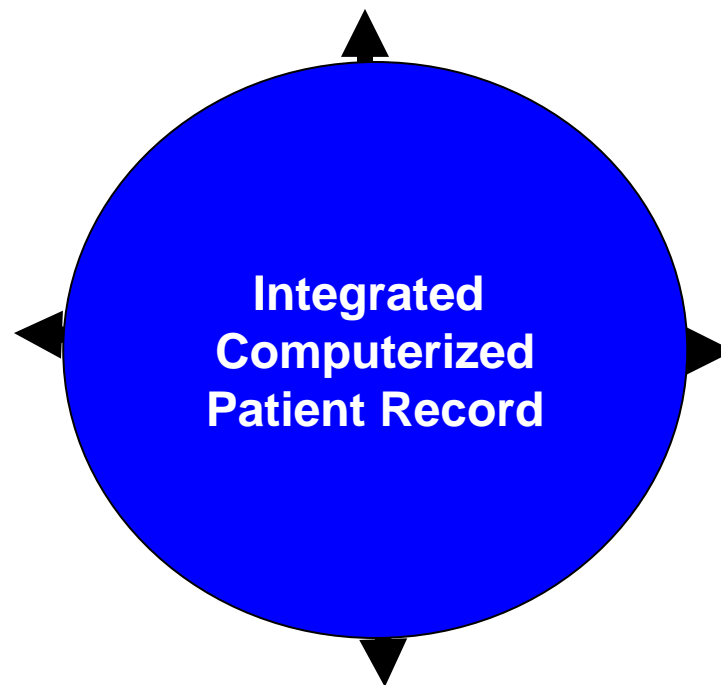
The main aim of my thesis is To study the implementation and use of Health Information System and to capture the impact of its using in healthcare organizations .



## Questions to be answered:

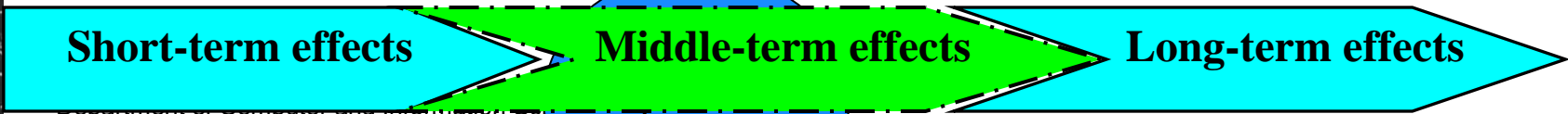
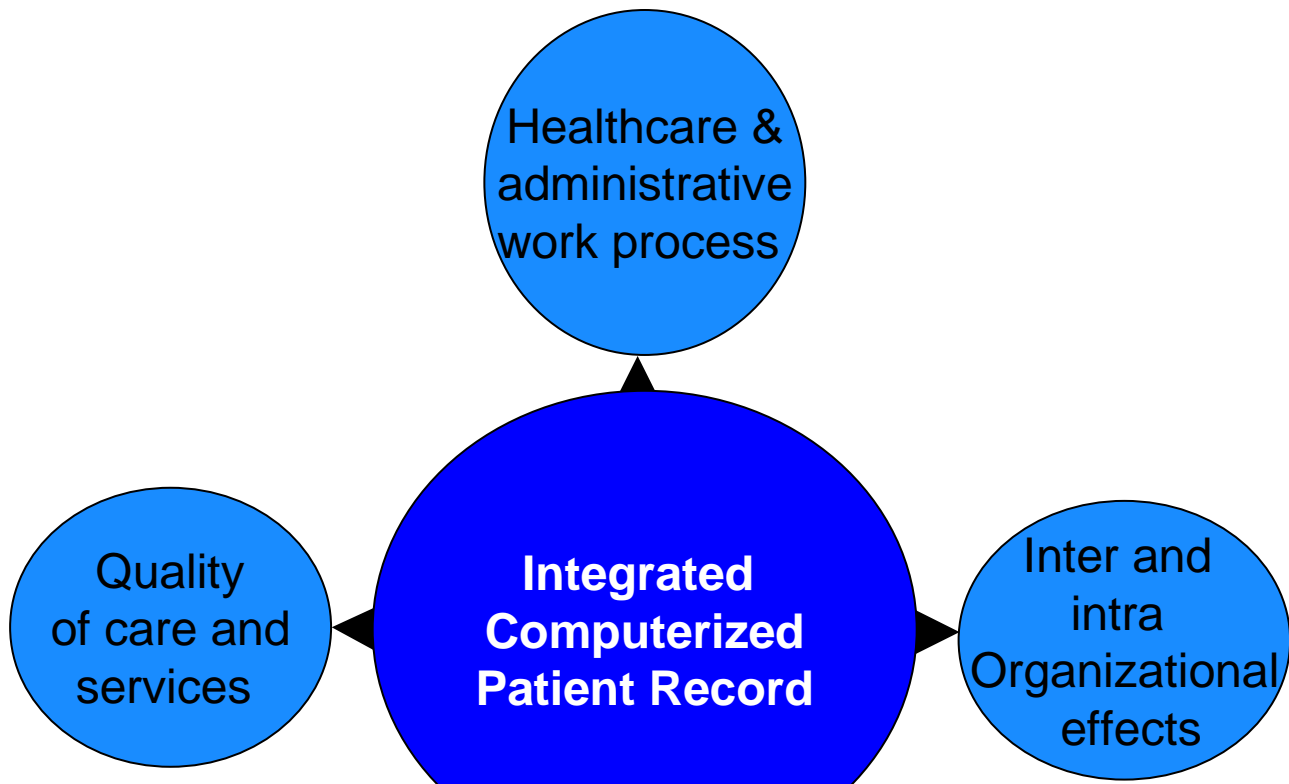
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## Studies in this thesis

- To perform a literature review to answer this question that what are the methodologies and findings of evaluation studies in the medical informatics area published
- To analyze whether the previously reported evidence of implementation failures is also valid in the ICPR setting (in Östergötland county council) or if these systems create other implementation challenges.
- To study the effects of the Computerized Physician Order Entry (CPOE) on quantity of medication error, quality of care and patient safety.
- To study economic effects of the CPOE on organization and patients.



## Studies in this thesis (Conti..)

- To explore relationship between quality of services and implementation and use of integrated computerized patient record system.
- To discuss the contribution of ICT to effective transmission of information between different levels of care.



# Opportunity to collaborate with UNESCO:

School health is an investment in a country's future and in the capacity of its people to thrive economically and as a society. An effective school health, hygiene and nutrition programme offers many benefits: (Focusing Resources on Effective School Health (fresh)- UNESCO).

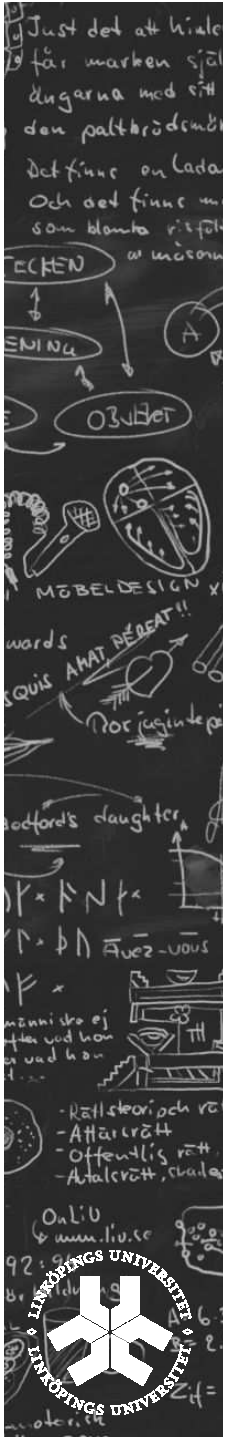
- Responds to a new need
- Increases the efficacy of other investments in child development
- Ensures better educational outcomes
- Achieves greater social equity
- Is a highly cost effective strategy

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Since improving people's health is one of the health system's goals, in order to achieve this goal, many factors can be important and critical. One of them is developing useful and effective information systems.