



HealthShare Final Report

# **A Study on Methods to Increase Interoperability and Unify Electronic Healthcare Records**

for  
**Uppsala County Council**

by  
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December 2011

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## Abstract

Our abstract goes here...

# 1 Introduction

Define the problem and in what context (maybe contextualize, write a story, describe a scenario? a concrete relevant scenario that occurs with persons involved)

## 1.1 Background

The setting of problems in EHR/EMR interoperability situations. Describe what the problems related to interoperability are within healthcare. The situation in Uppsala County, why we are doing this. What is being done on interoperability in other areas. Describe the problems related to interoperating EHR. describe the ideal interoperating system

## 1.2 Purpose and Scope

To investigate the interoperability of EHR/EMR systems taking in regard what the people involved want, the limitations, standards and organizational issues.

Explain what we will look into and why, limit the scope to what we will be discussing in the paper.

## 1.3 Reading Instructions

instructions for different audiences, so people who already know, or don't care about certain sections, don't have to sift through the paper to find information relevant to them. For the rest of the report.

# 2 Method

## 2.1 Project Organization

(How, and our own organization)

## 2.2 Interviews

(preparations, structure, outlines/protocols, focus of the interviews)

- phone interviews

- regular interviews
- hybrids between the two

How did we prepare the interviews, how they where/wasn't structured, transcribed(?).

## 2.3 Reading

methods for searching for information

## 2.4 Other?

# 3 What the people involved want

(maybe move to introduction if too small)

- physicians
- nurses
- patients
- administrative personal
- the public
- politicians
- technicians
- legal authorities
- lab workers

# 4 Interoperabilty

- Introduction to what this chapter should be about. (relevant, not too long, not too short)
- Define what interoperability is. Talk about interoperability in general, and also in this specific case. Why interoperability is important and how it works.
- What the current situation is regarding interoperability. Why it is a big problem.

- Prerequisites for interoperability on a national level

To achieve European wide solutions for cross-border transfer of patient information certain requirements need to be fulfilled. There has to be an agreement on the definitions of data sets for both patient summaries and e-prescription, a legal framework for data transfer, a technical framework to connect the systems at each level and a working semantic interoperability. [1]

- Subsections on different interoperability solutions.
- Standardized care plans

## **5 Current limitations and obstacles for adoption of future systems**

### **5.1 Technical**

Security? Limitations for what that can technically be done?

### **5.2 Legal**

What does the laws allow?

The new Swedish legislation provides new opportunities, but not obligations. [2]

### **5.3 Organizational**

current organizational issues that limit the adoption of interoperating systems

## **6 Results/ Discussion**

### **6.1 Prerequisites for increased interoperability**

### **6.2 Types of solutions and implications for the end user**

## **7 Conclusions**

## References

- [1] epSOS. Overview slides, 2011.
- [2] Klara Antemar, Gudrun; Denckert. Rätt information vid rätt tillfälle inom vård och omsorg – samverkan utan verkan?, 2011.