

Milestone Reached in Norway Towards the Goal one Patient - one Health Record

Documents in patient records from hospitals such as epicrisis and results from lab tests and image examinations can now be shared with health personnel at other hospitals, GPs and emergency services digitally from Core Record. Patients in Norway can now also read the documents from the hospital in their own medical records in the portal helsenorge.no. E-health components from Siemens Healthineers are a key part of the infrastructure that makes this new interaction possible.

For several years key leaders in healthcare in Norway have worked purposely to facilitate that medical record information can be shared electronically between hospitals, and not least between the hospitals and the municipalities. For patients, it is important that the necessary information about their illness and treatment is available to health personnel both in the hospital and in the municipality.

Core Record is a national collaboration solution led by the Norwegian Health Network (NHN) with Health Region South East as a national partner. The main goal is safer, faster and better healthcare. The patients do not have to repeat their entire medical history for the various therapists.

Better information flow

Oslo University Hospital (OUS) was the first to try out the new service last year. The solution will provide a far better electronic information flow. In

the past, different treatment centers have each had their own patient record system that has not "talked" to each other. With the new solution, the health data displayed are the same for healthcare professionals and patients, but are made available through two different portals. Residents see their medical records documents from the hospital via logging in via the ID portal at helsenorge.no in a separate patient medical records service. Healthcare professionals gain access through core medical records.

Better interaction and cooperation

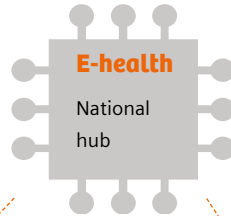
Document sharing and digital message sharing through core medical records for healthcare professionals contributes to more comprehensive and efficient digital collaboration. Siemens Healthineers role is to contribute to better collaboration throughout the health service.



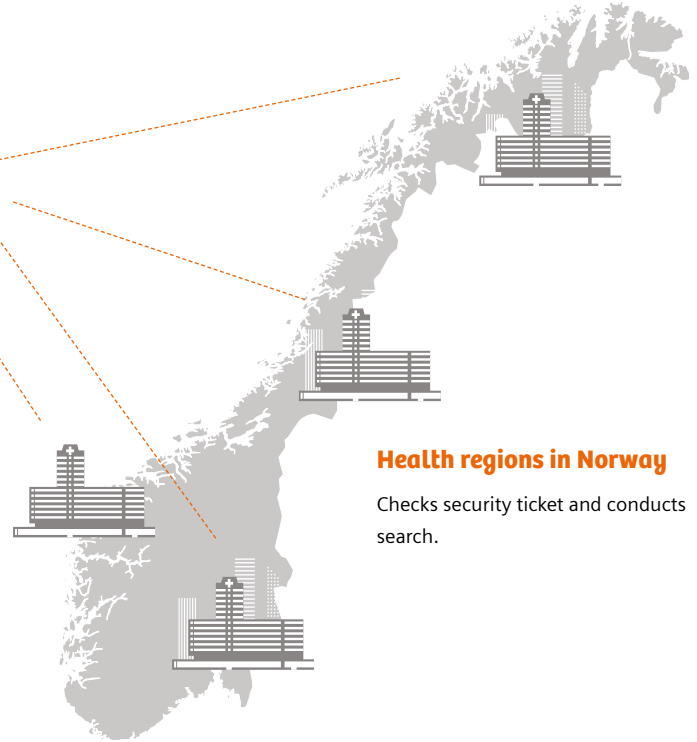
This is how the infrastructure works and connects the systems together:

Healthcare personell

Through Core Record, healthcare professionals and therapists can gain access to a national overview of a patient's relevant documents and read them in a separate work list. The system requests a national document overview for a patient.



In the hub the searches are distributed to everyone, including the user's security ticket. The hub aggregates results from the different healthcare providers.



Health regions in Norway

Checks security ticket and conducts search.



Inhabitant

Through helsenorge.no, it is now possible for a patient to access a national overview of all their medical records. In the first instance, an overview is given of the specialist health services' medical records documents. They log in to helsenorge.no via the ID portal. The system makes a request in the national document overview.



Document sharing and digital message sharing through core medical records for healthcare professionals contributes to more comprehensive and efficient digital collaboration. Siemens Healthineer's role is to contribute to better collaboration throughout the health service. For patients, it is important that the necessary information about their illness and treatment is available to healthcare personnel both in the hospital and in the municipality.



"We have delivered a platform component which is the hub of the solution for exchanging information and disseminating the documents. The portals retrieve health data through a query in the journal of a given person in a national hub. The national hub then makes inquiries against the various health regions, consolidates the result and transmits it to the portals. The documents themselves are not physically stored in the portals. An important part of the technology is also the security aspect, which safeguards access and privacy in a good way, says head of e-Health solutions in Siemens Healthineers Norway, Lars Houge.

Deliver the hub in the infrastructure

The solution is based on sharing journal documents using so-called standardized IHE profiles.

"Different suppliers and solutions interact on how users and healthcare professionals view data in the various portals in a structured way. The four health regions have different solutions and the national connection point is the gears in the infrastructure that make everything communicate. We are happy to have contributed to this important work," says Lars Houge.

"We believe this is the simplest and most cost-effective way to organize a comprehensive IT infrastructure in the health care system. It will also have major benefits from scaling and further development, and thus contribute to flexibility for further development in the future", says Houge.



"Our role is to contribute to better collaboration in the health care system. We have delivered a platform component that is the hub of the solution for exchanging information and disseminating the documents."

Lars Houge, leder av eHelse i Siemens Healthineers