

# National Patient Index



Systematic is linking  
healthcare IT systems  
together in Denmark

**SYSTEMATIC**

# Information where and when you need it

Systematic gives healthcare professionals the opportunity to share patient data unhindered by operational and jurisdictional boundaries

A new National Patient Index (NPI), which is being developed by Systematic, will facilitate access to all relevant digital healthcare information. Today, doctors and other healthcare professionals have to access patient data manually from a range of different systems. With the new NPI, however, they will be able to view this information in their own clinical IT systems – no matter where in the country the patient in question has previously been treated or is currently in treatment.

This can be extremely important when admitting patients with acute illnesses, dealing with outpatients with complex treatment regimes, or caring for patients who are otherwise unfamiliar to the medical staff.

The NPI solution will be developed in close collaboration with the inter-regional Healthcare Journal (Sundhedsjournal) project. Whereas NPI is designed to access data, the objective of the Healthcare Journal project is to create a user interface that compiles data in a straightforward manner – not just for healthcare professionals but also for ordinary citizens.

Danes will thus be able to use the Healthcare Journal and NPI in combination with the unified Danish eHealth Portal at sundhed.dk to view information about the results from their own examinations and the treatment they receive from the Danish healthcare service.

## Why Systematic?

Systematic was chosen as the supplier of NPI on account of our advanced skills in the field of agile development, using principles that make allowance for both client and supplier becoming “smarter” as the project progresses. This approach makes it possible to change priorities and alter requirements on functionality on an ongoing basis.

By combining agile development with Lean and CMMI – an internationally recognised model for project maturity – Systematic has efficiently created high-quality solutions in close collaboration with a wide range of clients. We are one of just 15 companies in Europe to have been certified at CMMI level 5 – the highest level possible – and this is reflected in the fact that we complete 93 per cent of all deliveries on time.

## What is the National Patient Index?

Briefly put, the NPI is a service that uses an index to provide access to information about a patient from a variety of data sources. As such, the NPI does not contain any clinical data itself, but is “coded” with information about sources from which data is to be extracted. For example, the NPI will draw information from the clinical information systems used in the different regions of Denmark, the Danish National Patient Register and the Shared Medication Record (FMK) database. The NPI will thus provide healthcare professionals with access to a wide range of relevant patient data unhindered by operational and jurisdictional boundaries.

Moreover, Systematic has extensive experience with co-ordinating and integrating different computer systems. We are responsible for the advanced Columna clinical information system that is currently being rolled out successfully at all hospitals in the Central Denmark Region.

The clinical information system makes it simpler for healthcare professionals to access an overview of the patient's condition because it automatically draws data from multiple sources, including laboratory systems, X-ray databases and booking systems.

