Introduction
More and more hospitals use Electronic Health Record Systems to register patient information. In preparation for the implementation of a new Electronic Health Record, Medisch Spectrum Twente requested an information model that is based on both the care process and the principle of clinical reasoning to guide a future implementation.

Methodology
The chosen design methodology consists of a combination of literature, international standards and architectures and the principle of clinical reasoning, which is matched against the work experience of MST caretakers in interactive meetings with the dedicated project team.

Result
The project resulted in four deliverables:
1. information model containing 44 information objects, including their definition, structure and interrelationship,
2. framework for use, describing criteria and principles for using the information model,
3. advice for organizational structure for optimal start of usage, adaptation and maintenance of the information model,
4. approval of the information model from the responsible internal committee.

The project was successfully executed and meets all the pre-selected requirements. Furthermore, a new, unique approach for designing was refined during this project, which made it possible to discuss an information model on both abstract and detailed levels between information experts and caretakers. Overall the project was perceived as very valuable by all project participants and has helped to create more knowledge and awareness about information modeling throughout the organization.