

Overview of patient information



Case story about overviews of the different kinds of patient record information

Flexible records ensure quality and efficiency

When asked which feature is most important in clinical information systems, clinical staff often rank the ability to provide clear overviews as the most important factor. An overview of the patient's data is a prerequisite for making the right decisions in patient care.

The healthcare sector in particular is characterised by lots of different information from many sources. This is why the primary job of a clinical information system is to sort, filter and present all of this information in a manner that provides a clear overview for clinical staff. Using the Columna clinical information system from Systematic, users are able to customise patient records to meet their needs.

Get an overview

Using the 'Overview' screen in the Patient Record module, different staff groups in the individual departments and sections

can customise precisely the general overview of the patient's record that they need. 'Overview' compiles the most relevant and up-to-date information in the patient's records, enabling doctors, nurses, secretaries, therapists and other groups of users to quickly assess the patient's condition and current treatment, based on the information that the individual group deems essential.

The 'Overview' screen is formed from a range of different building blocks consisting of centralised information from the patient's records, including diagnoses, clinical documentation, notes, medication, booking appointments, blood test results and other test data.

At the same time, users can quickly and easily navigate back and forth between 'Overview' and details. Nurses can use the 'Overview' screen to see which

measurements they have to carry out, and can easily navigate to the summary of results where the findings are documented. Similarly, doctors can see which operations are scheduled for a patient and, with a single click, get access to the ability to document each operation.

The 'Overview' can be shown side by side with other summary views available in the Columna clinical information system.

Help with the roll-out

More than 10 per cent of the staff in Systematic's healthcare business unit are domain specialists – normally nurses and medical secretaries. In addition to a professional background in their particular field, which enables them to talk to end-users in a language they understand, they also have a technical background. They are ideally placed to act as intermediaries between users and developers.

The screenshot shows the 'Overview' screen for patient 100352-05J1, Jonas, Simone. The interface is divided into several panels:

- Anamnesis - Reason for contact:** 01.01.10 09:38 Reason for contact. Title: Patient is a 58-year-old lady, brought in due to a fall at home. The patient is very distressed. Had been lying in a cold hallway for several hours. Was experiencing mild hypothermia on arrival. Dehydration also observed. X-ray shows fraktura collum femoris, dxt.
- Operations - Planned:** 11.04.10 10:30 Replacement of the cardiac pacemaker 1-chamber.
- Outpatient booking:** (Empty section).
- Info:** 01.01.10 09:38 Objective physical examination. AT, ET, Orientation, level of consciousness: worried, confused. Eyes: wears glasses, probably myopic. Skull: large swelling in the occiput. Cavum oris: uses dentures, mucosa in good condition. St cordis: Murmur. St pulmonis: Mild dyspnoea. Abdomen: Tense, difficult to examine because of pain. Extremities: Right leg: Obi seen shortened and outwardly rotated leg which the patient cannot lift from the ground. Pain is localized to the area around the upper part of the femur and extends down toward the knee on the...
- Clinical status - Draining and Cicatrice:** 11.11.09 06:00 Draining tube. Location: Internal. Volume ml.: 25. Appearance: blood / serous fluid.
- Summary:** 05.01.10 Aortic valve stenosis 20.02.2008. The patient was operated for an a-dissection with composite graft 14.02. Subsequent complication with 3rd degree AV block and pacemaker implantation on 18.02.2008. Situation subsequently complicated by renal insufficiency and sternum infection - both now improving.
- Operations:** Description: In general anesthesia and blood vacuity done. KNFB0 Primary insertion of partial prosthesis in the hip joint, dxt. Inserted intraarticular drain for easy suction. Closed with Vikryl 0, vikryl 3/0 in the subcutaneous tissue and staples in the skin. Postoperatively, Pt. mobilized to standing tonight. Rp. physiotherapy for mobilization. Staples removed in about 5 days. Operation information: Surgery start: 04.01.10 08:55. Surgery end: 04.01.10 10:35.
- Measurements - Temperature:** 04.01.10 08:00 Measurement of temperature. Temperature in degrees celsius: 36.7. 04.01.10 22:00 Measurement of temperature. Temperature in degrees celsius: 37.9. 05.01.10 08:00 Measurement of temperature. Temperature in degrees celsius: 37.3.
- Infection parameters:** 29.12.09 01.01.10. B-Leucocytes: 9.4, 9.7. Erythrocyte sedimentation rate: 30, 40. P-C-reactive protein(CRP): 56, 66.
- Other:** 04.01.10 04.01.10 05.01.10. P-coagulation factors (II, X, XI, X): 2.3. ECG: F0...

Each healthcare profession can tailor the Columna clinical information system to meet its own needs, and thus ensure a full overview of the information within each patient's medical records that is relevant for particular specialist needs.

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About Systematic

Systematic is an internationally renowned developer and supplier of off-the-shelf scalable software products for use in the healthcare sector, the defence industry, financial services and the public sector. Headquartered in Denmark, we also have subsidiaries in the United Kingdom, the United States and Finland.

We provide cost-effective clinical information systems and performance evaluation systems to healthcare customers both in Denmark and abroad.

Systematic is certified as a CMMI Level 5 company.

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