

CSC & ORACLE

SUPPORTING FRONTLINE CLINICIANS WITH TIMELY AND ACCURATE DATA



A diagnosis is only as good as the data it is based upon.

It is essential that clinicians have access to accurate data about patients and can cooperate on treatment without risk of misunderstanding. Achieving a smooth flow of accurate patient information is one of the top challenges facing healthcare providers today.

In many hospitals and surgeries, a dependence on a separate administrative function means that the files can lag in recording diagnoses and treatments prescribed. Healthcare data is often organised by point of delivery, making it hard to track a patient's medical history across different hospitals and surgeries. Often, there are multiple files representing a single patient, splintering the view clinicians have of the patients they treat.

Together, Oracle and CSC deliver a solution that provides a single, accurate patient record and enables it to be maintained in real time in the surgery, consulting room and administrative office. By eliminating duplicate data, the solution ensures that clinicians are always basing decisions on the latest information, improving the standard of care they can provide.



CSC CLINICAL SUITE

A SINGLE, STRUCTURED ELECTRONIC PATIENT RECORD

The CSC and Oracle solution is designed for healthcare organisations that require a single system for managing all patient data. Its modular structure and industry-standard interfaces support incremental implementation and enable it to be integrated with legacy healthcare applications, administrative applications and medico-technical equipment such as ECG viewers.

All authorised clinicians across an organisation or health authority can share access to the same data, eliminating the costs and risk of inaccuracy associated with multiple records. The system ensures that data is captured once only, preventing two records from being created to represent the same patient. The solution breaks away from the traditional structuring of information by point of healthcare delivery and makes it available by patient, treatment or problem.

The principle underlying the CSC/Oracle proposition is that healthcare records should be updated as the clinical work is carried out, to ensure maximum accuracy and timeliness. Each clinical activity, such as conducting an admission interview or measuring a patient's blood pressure, will result in a clinical note being written. Note templates guide and structure data entry and are customised to the needs of the clinical discipline or department.

Because data is structured it can be easily repurposed without duplicated effort. A graph can be generated of blood pressure readings from different notes and status sheets, for example, and timelines can also be automatically produced. Healthcare authorities can take frontline clinical data and feed it directly into quality assurance, financial planning and treatment planning applications.

By structuring data, the CSC/Oracle solution also enables warnings to be issued automatically if critical situations arise, such as the prescription of penicillin to a patient who is allergic to it.

CSC Clinical Suite provides an easy way to capture data throughout a healthcare organisation. It uses a familiar interface based on concepts popularised by the Windows operating system, and uses forms and workflow support to guide clinicians in entering data correctly.

AUTOMATED WORKFLOW FOR CLOSER TEAMWORK

CSC Clinical Suite automates the workflows between healthcare processes, making it easier for clinicians to work cooperatively in treating patients.

Diagnoses lead to plans, plans lead to outcomes and outcomes can be evaluated in relation to the goals set. At the same time as updating a patient record, clinicians can use CSC Clinical Suite to order drugs or lab tests, ensuring that all processes are linked and proceed without delay.

Using standards-based clinical workflows, treatment protocols and plans, healthcare organisations can ensure uniformity in treatment and optimum patient care.

The solution supports role-based delegation of tasks and the use of individual and team worklists. Clinicians can forward tasks and commented bookmarks to colleagues and intuitive status indicators and alerts prompt clinicians to follow up on tasks.

By enforcing consistent terminology, CSC Clinical Suite ensures that clinicians can easily hand over treatment from one to another without risk of misunderstanding.

THE CSC/ORACLE TECHNOLOGY PLATFORM

CSC Clinical Suite is developed on the Oracle Healthcare Transaction Base (HTB), which maintains a single electronic health record and makes it available to all applications – whether they are Oracle-based, non-Oracle or legacy applications.

Data is synchronised across the different applications, ensuring that there is always a single version of the truth that reflects the latest changes in circumstance, wherever they have occurred in the healthcare or administrative chain.

The HTB is based on international industry standards, including Health Level 7 (HL-7) version 3 and the associated Reference Information Model (RIM), so that CSC Clinical Suite can be readily integrated with other healthcare IT systems.

Although CSC Clinical Suite focuses on the clinician's work, the standard interfaces provided in Oracle HTB make the same data available to support administrative workflows. These include patient referrals, admissions and discharges.

The CSC/Oracle solution is prepared for integration with:

- existing patient administrative systems
- existing medication administration systems
- national health registers (reporting)
- municipal care systems
- laboratory systems
- radiology systems
- electronic dictation systems
- ECG viewers and other medico-technical equipment
- pharmacy systems

The HTB has in-built security, providing role-based authorisation, single sign-on and encrypted data storage. All data views and changes are logged and fully trackable, ensuring that the healthcare organisation is able to meet its privacy and data integrity obligations in accordance with national and international regulations.

The Healthcare Transaction Base has been developed by Oracle in cooperation with healthcare organisations worldwide. By choosing Oracle as the middleware platform for their IT infrastructure, healthcare organisations can benefit from a proven, scalable and reliable storage and data management solution that has been designed specifically for their unique requirements.

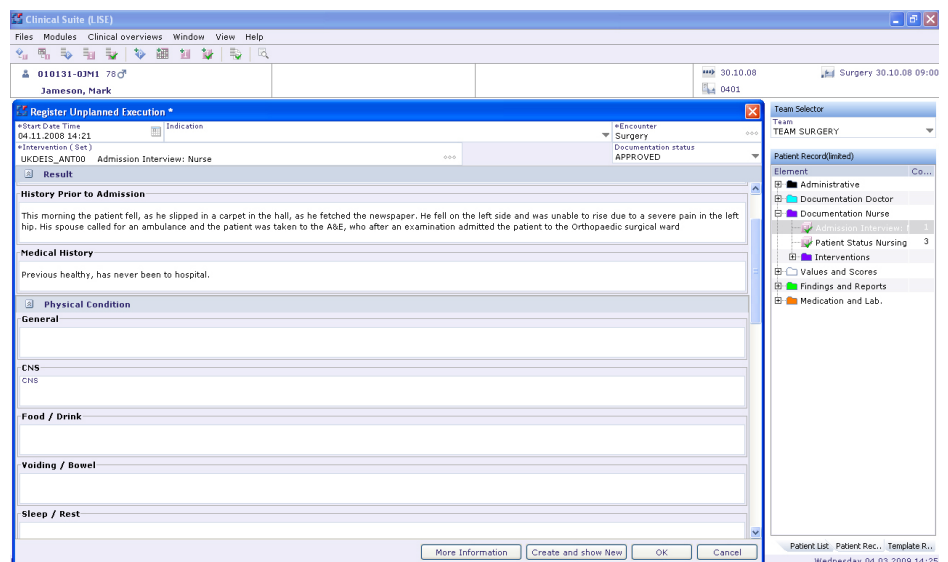
WHY CSC AND ORACLE?

Organisations that have chosen a joint CSC/Oracle solution have enjoyed the following benefits:

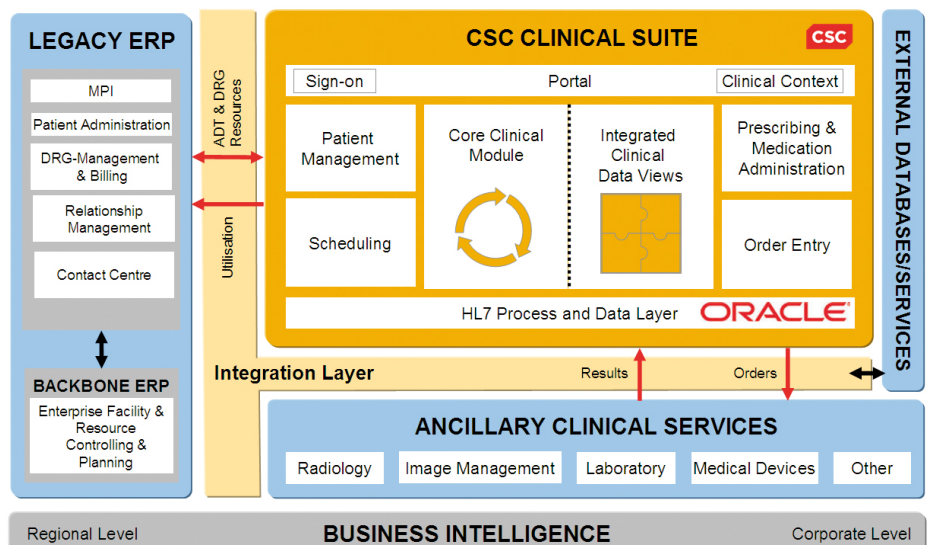
- Better quality healthcare and administrative decisions based on consistent and timely information
- Better team coordination and less manual administration thanks to automated workflows
- Integration of frontline clinical care with back office planning and administrative functions
- Faster and more accurate patient care, increasing patient satisfaction

- Lower operating and maintenance cost by eliminating duplicate IT systems
- Integration with existing IT systems to enable incremental deployment and spread investment costs
- Secured and fully auditable access to patient data, consistent with regulatory obligations

The CSC/Oracle solution provides a platform for growth and expansion, based on internationally recognised standards, ensuring that today's data will be available for any future applications that might be introduced to the healthcare organisation.



Screenshot: Workflow for admissions nurse. Through configurable workflows, the user can access information relevant to the current clinical activity.



CSC Clinical Suite solution map

ORACLE®

Oracle (Nasdaq: ORCL) is the world's largest enterprise software company. Oracle's business is information – how to manage it, use it, share it, protect it.

For nearly three decades, Oracle has provided the software and services that let organisations get the most up-to-date and accurate information from their business systems.

Today, Oracle is helping more governments and businesses around the world become information-driven than any other company.

For further information:

www.oracle.com



CSC develops and delivers solutions that bridge the gaps between IT systems in the healthcare sector.

The company's vision is of free communication between all parties in healthcare, between geographical locations, sectors and professional disciplines. That includes administrators, hospital doctors, midwives, nurses, general practitioners, home care providers and community care providers. It also extends to citizens and their ability to access their health records, the records of their children and information about illnesses and treatments using a PC at home.

CSC's mission is to realise the coherent healthcare community.

For further information:

www.scandihealth.com

scandihealth@csc.com