

HOSPITAL & CLINICAL SOLUTIONS

# **INTEGRATED HEALTHCARE INFORMATION SOLUTION** TO PROVIDE BETTER OUTCOMES ACROSS YOUR ENTIRE HEALTH SYSTEM

HCIS

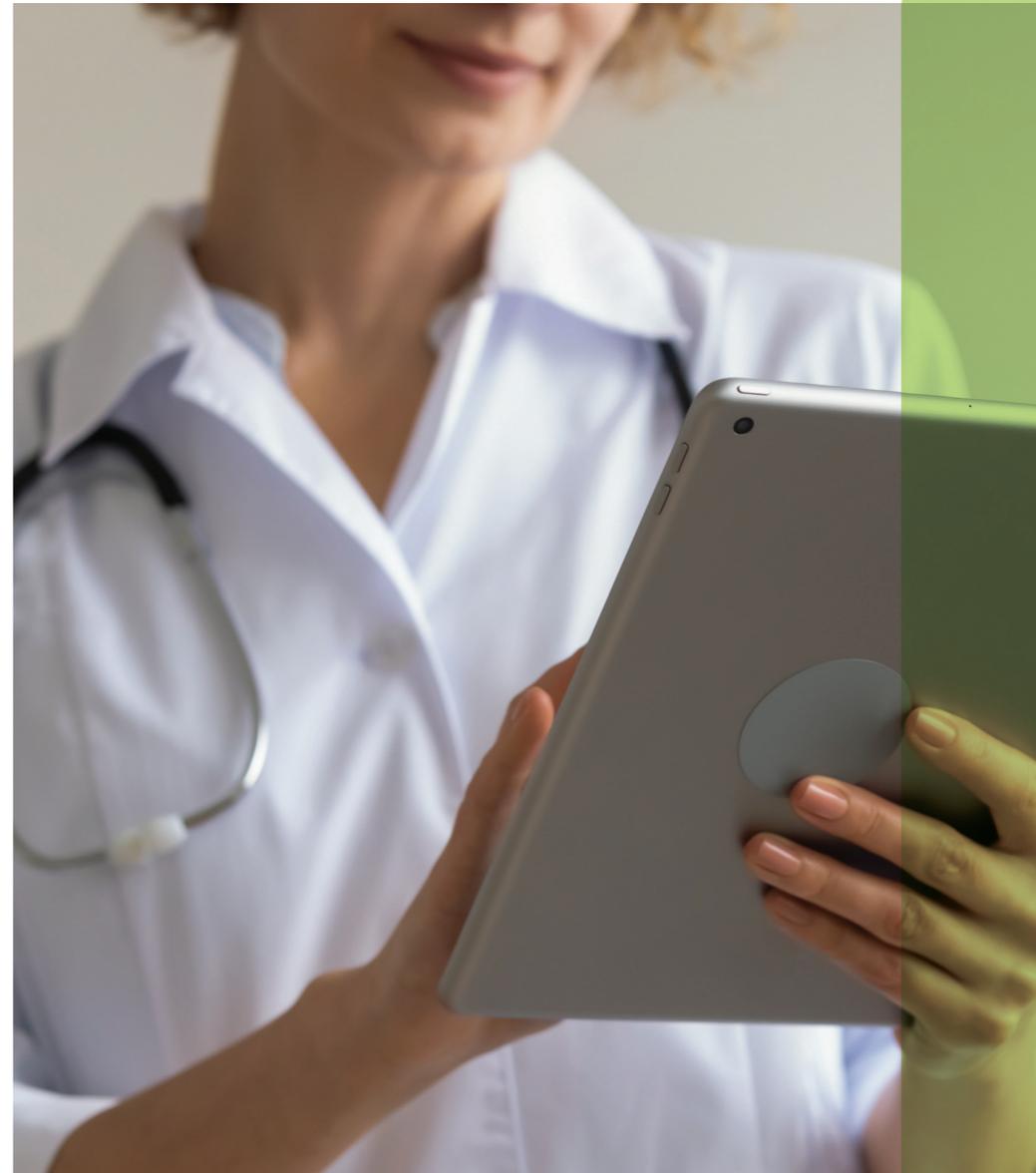
# ACHIEVING BETTER HEALTHCARE OUTCOMES WITH A FOCUS ON THE PATIENT

Healthcare organisations and health authorities face complex and unique challenges. Ineffective, disjointed systems inhibit their ability to provide the best patient care and shrink their bottom line.

The technology used to manage the flow of information around healthcare organisations must keep pace with the challenges facing healthcare professionals. Clinicians are under constant pressure to stay up to date with the latest advances to make the best treatment decisions. Without fast access to accurate patient data and clinical references, medical professionals are impeded in their decision-making. They need software systems that move information to the point-of-care as fast as possible.

**HCIS offers healthcare organisations a customised, scalable solution to improve workflow efficiency, engagement with patients and streamline processes across the continuum of care.**

HCIS helps to create connections between each part of the healthcare ecosystem, delivering information where it's needed, at the right time.



# FUNCTIONALLY RICH, HOLISTIC HEALTHCARE INFORMATION SOLUTION ENABLING PATIENT-CENTRED CARE

HCIS offers the whole system integration of health information. GPs, community providers, specialists, health and social care professionals, managers and administrators can locate the information they require to make clinical decisions, treat patients and run supporting systems and processes. Through its superior integration capabilities, modular architecture and open APIs (application programming interfaces), HCIS can be implemented using a best-of-breed approach. Connecting with legacy and third-party systems HCIS enables organisations to deploy specialist departmental solutions whilst still benefitting from a fully integrated healthcare information system.

**HCIS provides a holistic solution that supports all administrative, clinical and financial processes** to help care delivery organisations offer better and safer care for patients and a more efficient and flexible working environment for healthcare professionals.

**HCIS is a patient-centred solution that delivers integrated workflows based on the following principles:**

**Patient-centric**

**Provider agnostic**

**Continuity of care within and between health care organisations**

**Integration between all care providers and care settings**

**Coordination of clinical and administrative processes  
between healthcare practitioners**

**Enable Integrated Care Delivery Organisations and  
Population Health Management**

# INTEGRATED, MODULAR SOLUTION TO CREATE AN END-TO-END HEALTHCARE INFORMATION SYSTEM

HCIS can be delivered as an end-to-end healthcare organisation information system or as individual components. Key modules are:

- **Electronic health record.** HCIS supports an organisation-wide view of patient care and the point at which care was delivered across different care settings: primary, acute, home and social care. This seamless integration across the continuum of care enables healthcare professionals to make informed, data-driven decisions without leaving the clinical workflows.
- **Requests and results.** Fully integrated computerised physician order entry (CPOE) that orchestrates and unifies all communications between clinicians, diagnostic departments other support services, by allowing clinicians to route orders electronically and manage results from an open catalogue that the organisation defines.
- **Medication management.** HCIS supports organisation-wide medication management, including e-prescription, prescription validation, dispensing and administration of medication, and services for managing non-pharmacological prescriptions (orders to nurses). It provides a single view designed to help your pharmacy team facilitate accurate, beneficial medication therapy decisions, outpatient drug utilisation and adherence management.

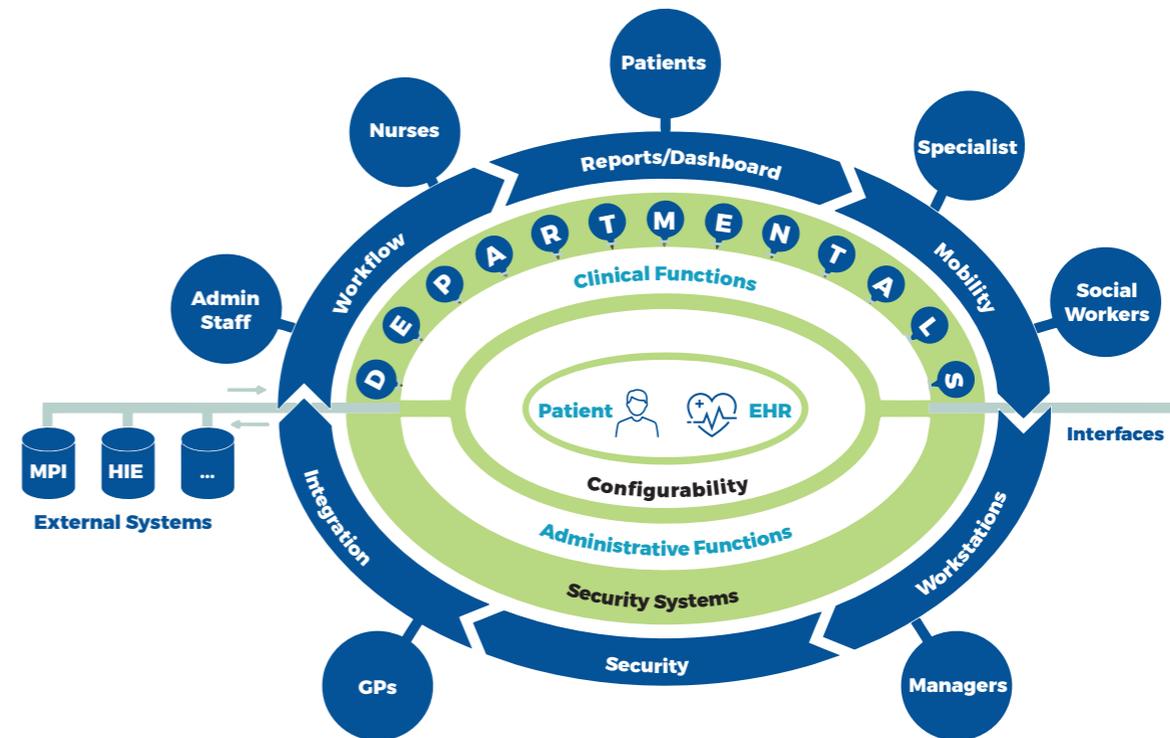
- **Nursing care plans.** HCIS enables the development of nursing practice standards and giving support to multiple nursing tasks, including assessments, diagnostics, scheduling, activity recording and evaluation, providing accurate information to monitor care quality and the definition of care plans.
- **Emergency management.** HCIS provides rapid registration and triage features for prioritising patients based on their need for clinical care. With real-time status and patient tracking, the HCIS Emergency Management system provides clinicians with a single view of the relevant information pertinent to their patient's treatment.
- **Inpatient management.** It supports the inpatient area's administrative management, from admission to discharge, offering complete hospital bed management integrated with clinical decision support.



## HCIS

- **Surgical management.** HCIS delivers maximum efficiency of theatres, staff and materials through a combination of scheduling, utilisation and perioperative management tools.
- **Outpatient management.** HCIS performs the administrative management of patients in the outpatient areas, including in multi-site organisations, from appointment booking to the capture of activity with clinical data, including day hospitals management.
- **Primary care.** HCIS provides a holistic view of patient health on one record in a robust practise management solution, including virtual patient consultations. Primary care providers can streamline care coordination, reduce gaps in care and generate positive patient outcomes.
- **Patient administration.** A highly customisable patient administration system (PAS) enables facilities to optimise workflows for their unique context.
- **Resource planning.** HCIS offers a single and highly flexible resource planning system, allowing the scheduling and management of any kind of organisation resources, including staff, beds, operating rooms, day hospital chairs, medical devices, etc.
- **Billing.** HCIS provides immense flexibility to manage the billing rules from different insurance companies to streamline treatment invoicing that facilitates the billing process either for privately or publicly funded payment systems.

## HCIS SCOPE: A CONFIGURABLE PLATFORM FOR EACH PROFILE VISION



# PROVIDING A HOLISTIC VIEW OF THE PATIENT'S HEALTH WITH A **TRULY SMART EHR SYSTEM**

- The heart of HCIS is a detailed EHR designed in line with clinical logic and based on experience and acknowledged best practice to ensure it best serves clinical users and patients. The system can manage and document all of an individual's health events in the EHR by integrating health-related information and associating it with a patient's life event.
- HCIS provides a single EHR across the continuum of care, a single ordering system, standard clinical and administrative workflow, including appointments, waiting lists, operating rooms management, referral management, e-prescribing, clinical pathways.
- HCIS incorporates capabilities that allow the user to define and automate their own business processes, and workflows and adapt them to the changing needs of the organization.
- HCIS provides strong architectural elements which can map onto national or international standards, facilitating interoperability across the continuum of care.
- HCIS connects with mobile applications, including the patient portal, to give the patient real-time health updates and information.
- HCIS can also include real-time data on social determinants of health to identify potential diseases and environmental health threats in the area, to improve patient monitoring and care.



- HCIS can support all national medical and social services' infrastructure and become the core of all health systems across the country.
- HCIS incorporates capabilities to integrate the best clinical evidence within a clinical pathway and optimise decision-making processes.

# TRANSFORMING CARE AND DELIVERING IMPROVED PATIENT OUTCOMES

- **Persona-based workflow:** HCIS is highly configurable to support workflow customised to meet the needs of the different roles in the healthcare organisation.
- **The EHR, the heart of the system:** HCIS incorporates more than 250 pieces of specific clinical content to support all clinical specialities. It also includes a comprehensive set of scales and forms to register information on different diagnoses and procedures.
- **Resource optimisation:** HCIS includes complex scheduling and management capabilities that optimise use of organisational resources while maximising value for patients.
- **Fully care coordination management:** HCIS provides an integrated system across multiple hospitals, daycare centres, ambulatory centres, social care centres, primary care centres, etc.
- **Instant view of test results:** Fully integrated central services and departmental systems like LIS and RIS within the ordering process, flagging and notification for critical results, cumulative test display, specimen and result auditing allow rapid result turnaround and report generation that leads to improved clinical outcomes and increased efficiency.



- **Insights to rapidly respond to ongoing care needs:** HCIS offers powerful decision support capabilities to create automatic alerting rules and associated tasks, enabling healthcare professionals to respond to urgent patient care needs quickly.

## HCIS

- **Local configuration:** HCIS is a highly configurable systems, providing powerful mechanisms to adapt the system to the organisational needs. Supports multiple languages and currencies to deliver to individual country requirements.
- **Reporting, Business Analytics and KPI:** HCIS provides powerful datamarts, from which you can calculate indicators, prepare reports, etc. It includes standard indicators and basic reports as part of the product, that can be tailored to meet your organisation's specific needs and integrate these into the organisation's generic BI solution, user training etc.
- **Continuous improvement:** HCIS provides the right tools to enable patient-centred healthcare management, supported by a robust data model to support clinical research and secondary data use.
- **Security, privacy and audit:** HCIS closely follows international security standards and complies with all other requirements regarding personal data protection. HCIS's advanced privacy implementation provides granular access to data elements based on user roles and the data's sensitivity. The privacy module enables control of access to data and functionality, audits of all actions performed, system parameterisation, and advanced privacy rules to be implemented in today's complex healthcare environments.
- **Interoperability:** HCIS was designed from the outset with powerful integration capabilities and has extensive experience in application integration, using different models/integration mechanisms.



- **Open, based on standards, interoperable and extensible:** HCIS is based on J2EE standard architecture. It is a web-based multilayer system, certified for the main J2EE application servers in the market, which means security, portability, zero maintenance clients, scalability, low bandwidth requirements, robustness and manufacturer independence.

## BENEFITS

- Improved safety and quality outcomes and greater patient engagement.
- It enables new digital pathways to engage and interact with patients, offering accurate and timely information.
- Optimised flow of patients through care settings, freeing up capacity and creating administrative efficiencies.
- Real-time surveillance and population-based insights through advanced analytics to manage care pathways.
- Collaborate with internal colleagues or external partners with a shared view of the patient, the patient's data and the clinical context.
- Greater agility and interoperability enables clinicians to meet the unique needs of their workflow.
- Its user-centred design provides an intuitive solution to enhance user efficiency, productivity, and satisfaction, improving clinicians' engagement through innovative and useful tools.
- Enable cross-institutional use of data for clinical research.
- A robust health data infrastructure enables better clinical evidence with a clear patient-centric orientation by integrating patient-reported outcome measures (PROMs) and patient-reported experience measures (PREMs) into the EHR.



## STRENGTHS

- 30+ years of regional and global healthcare experience.
- Our global experience, combined with our local implementation workforce and capabilities, enables us to support cultural and language requirements, accreditations and regulations.
- HCIS has a rich collection of features that have been tested and perfected by healthcare professionals themselves.
- HCIS is constantly evolving as a health information system and remains at the forefront technologically and functionally.
- Dedalus can implement our flexible and highly scalable solution in different care settings, including primary care centres, small hospitals, large single and multi-site hospitals, and integrated regional and national health systems.
- 150.000+ users, 130+ care settings in 3 countries, 5M+ electronic health records maintained.
- Implemented in some of Spain and Portugal's largest hospitals, HCIS has a long-standing history and strong national and international reputation and recognition.





# Dedalus

[www.dedalus.com](http://www.dedalus.com)

## **About Dedalus**

Dedalus is the leading healthcare and diagnostic software provider in Europe and one of the largest in the world. With its innovative framework of comprehensive and process-oriented solutions, Dedalus enables a revolutionary digital transformation of country-wide Healthcare Systems fully supporting the patient digital journey. Dedalus serves more than 6,100 private and public hospitals across 40 countries, through more than 5,500 highly specialized resources, of which 2000 are dedicated to R&D activities. We aim to help caregivers and healthcare professionals to deliver better care to the communities they serve and for this reason we are very proud of doing a special job, working with healthcare organisations to improve healthcare outcomes for patients.

Life flows through our software.

For more information, visit [www.dedalus.com](http://www.dedalus.com)