Discover

ORBIS

for successful healthcare decisions
ORBIS is Agfa HealthCare’s enterprise-wide IT solution designed to enhance the quality of patient care and provides fast and complete availability of patients’ histories, including all images and clinical and administrative data.

It is currently one of the leading Hospital and Clinical Information System (HIS/CIS) in Europe with nearly 950 installations across the continent and over 500,000 daily users.

Accurate real-time patient data and histories are available to authorised nursing, technical and medical staff, allowing for quicker and better diagnoses and treatments.

The modular design of ORBIS allows for a non-disruptive implementation at the pace of each individual institution.
Today, ever increasing expectations, tight medical budgets, more advanced clinical treatments and a growing need for improved communications is increasingly putting public and private health providers under pressure.

**Delivering quality patient care**

Today care is provided across departments, specialties of care, organisations and regions. It is crucial for health enterprises to move from completing tasks in silos to providing high quality and fully integrated patient-centric care, reducing medical errors and increasing overall patient safety.

**Tight medical budgets**

On the other hand healthcare costs continue to rise, fuelled by an aging population, modern-day lifestyles, new intensive medical treatments and defensive medicine, placing an increased amount of pressure on already tight medical budgets.

As a result, more and more hospitals, clinics and healthcare providers are looking for solutions and services that will help them manage their businesses more efficiently whilst improving the quality of care.

The key to overcome the gap between rising demands from patients and governments for improved healthcare and ever more limited resources is the same as in any other industry:

> **improved efficiency**

Agfa HealthCare improves the way healthcare providers guide and treat patients.
ORBIS improves the healthcaexperi

In today’s healthcare systems the ability to transform medical and financial data into information that can facilitate varied decision-making processes is quickly becoming mandatory.

ORBIS leverages a single, unified data model to deliver timely access to relevant, high quality data.
ORBIS comprehensive support for all of your healthcare processes lets you become more connected, and more flexible to react faster to change.

ORBIS facilitates communication, collaboration, shared knowledge, documentation and work allocation between all of your team members.

for both the patient as well as the clinician

Better business decisions

The best business decisions are built on a full overview of all the available facts and realities. Enabling managers to gather, evaluate and decide on the basis of that information requires a solid set of tools, built on a holistic view. ORBIS delivers on this need, enabling business decision makers to have access to an enterprise wide set of data, delivered in a format they need.

Better medical decisions

A clinician’s primary purpose is to provide effective care to patients, in as safe manner as possible. Yet in a society expecting clinicians to do this while balancing new documentation requirements, meet new clinical realities and quality initiatives, this has become increasingly challenging. The data created by solutions managing patient care is therefore an invaluable source for clinicians, and administrators, to make more informed decisions on how treatment and care plans work, and how efficiently they deliver optimal care. ORBIS delivers on this need, enabling clinical decision makers to have access to an enterprise wide set of data, delivered in a format they need.

With ORBIS clinicians...

- have access to all accurate information about their patients anywhere and anytime
- have more time for their patients and spend less time on administrative tasks
- can make better decisions faster at every point of interaction with the patient
Did you know?

From the very beginning the development of ORBIS was accompanied by hospitals that volunteered as development partners with their specific healthcare domain knowledge.

Since then ORBIS has been implemented in more than 950 projects all over the world in hospitals of all sizes.

In Europe ORBIS is today the No. 1 Hospital Information System.

Daily 500,000+ clinical users login and use ORBIS as their primary healthcare information technology solution.

Today over 950 different 3rd party systems like existing ADT, LIS, RIS, etc. are connected with ORBIS via interfaces based on standards like XML, HL7 and the IHE framework.

20% of all domain expert employees that design, implement and service ORBIS are healthcare professionals.

Agfa HealthCare, a member of the Agfa-Gevaert Group, is a leading global provider of diagnostic imaging and healthcare IT solutions. Agfa HealthCare has nearly a century of healthcare experience and has been a pioneer on the healthcare IT market since the early 1990’s. Today Agfa HealthCare designs, develops and delivers state-of-the-art systems for capturing, managing and processing diagnostic images and clinical/administrative information for hospitals and healthcare facilities, as well as contrast media solutions to enable effective medical imaging results.

Agfa HealthCare has sales offices and agents in over 100 markets worldwide.
Thousands of healthcare facilities all over the world already rely on Agfa HealthCare’s IT solutions

**Why Agfa HealthCare?**

Because Agfa HealthCare delivers Enterprise IT & Imaging Solutions based on international standards that improve the quality of care, and can provide tangible economic efficiencies throughout all clinical and administrative IT areas.

With its holistic view of all relevant clinical and administrative data ORBIS

- enables accurate sharing of meaningful information across departments, specialties of care, organisations and regions anywhere and anytime
- enhances the collaboration between all healthcare professionals
- reduces medical errors and increases patient safety
- provides clinical data for billing and performance analysis
With the experience of nearly 950 ORBIS projects, Agfa HealthCare has developed numerous best practice standards for healthcare processes. These standards build the foundation for a fast and cost-effective implementation of ORBIS in your healthcare environment.

Centred around your IT strategy ORBIS can easily be customised, acknowledging your individual needs and how your healthcare professionals and administrative staff prefer to work. Implementations can be done in a modular fashion, at the pace of your organisation, within the scope of your budget, delivering a solution designed for your hospital, and not forced around it.

As much standardisation as possible and as much individualisation as needed.

ORBIS and our proven method.
Best practice standards for healthcare processes
Agfa HealthCare’s best practice standards define the most efficient (least amount of effort) and effective (best results) way of accomplishing healthcare tasks, based on repeatable procedures that have proven themselves over time. For example, the order entry and result reporting in ORBIS provides all necessary forms, work lists and text modules by default as best practice standard.

This enables an efficient and secure workflow between all professionals and departments in hospitals varying in size from small to midsize, and can scale all the way to large and complex university hospital environments.

With ORBIS, these extensively tested and successfully implemented best practice standards are immediately available for the user and make ORBIS the standard software for healthcare markets.

Individualisation for broad acceptance
In order to fulfil the various specialised requirements of today’s healthcare providers, ORBIS embeds tools for
• workflow and form design
• rules-based decision support
• data-query design
ORBIS allows its end users to individually optimise these best practice standards resulting in enterprise-wide Clinical Pathways.

The result is a fast, cost-efficient implementation and operation of ORBIS in hospitals of every size:
• ORBIS maintenance and updates are easily managed and do not require complex interactions
• Interoperability within ORBIS applications does not require interfaces
• Users can easily customise forms and even whole workflows in ORBIS to meet their individual needs
• ORBIS’ central transaction-safe database is a prerequisite for secure and reliable backup and recovery scenarios.
The ORBIS suite offers numerous comprehensive functionalities for the individual steps of the care process ranging from administrative in- and outpatient registration with an integrated management of all financially relevant data, to enterprise wide scheduling, order entry and result reporting, medication management, medical documentation, and a sophisticated interface engine that simplifies the communication with external applications.

Additionally ORBIS’ special workflow solutions, including those for Nursing, Surgery, Critical Care, Rules-based Decision Support, Knowledge Management, Prescribing and other ancillary support make use of the same unified ORBIS user interface, role and security concepts and data repository.
The foundation of your organisation’s electronic patient record

**Key benefits:**

- A unified view of departmental and specialty care and their respective treatments
- Each department can have its own view of the common medical record
- Departmental view of the medical record allows unique security segmentation that maps individual user rights and privileges
- Allows customised clinical and administrative summaries for each document type in the patient’s medical record
- Quick overview for each medical document
- Definition of problem oriented episodes
- Summarise different medical documents overlapping administrative cases
- Definition of clinical objects
- Gather interrelated clinical data from different data sources, forms or applications
ORBIS improves clinician communication by providing a tool to corroborate a patient’s episode of care. Specialist and General Practitioners can communicate with a unified view allowing easy access to allergies, medication information and results so the patient data is available real-time. ORBIS allows adoption by health professionals because the applications themselves were designed by clinicians for clinicians.

Patient-centric - accurate - automated

Key benefits:
• Easy to use comprehensive text modules
• User-defined drop downs, tables, responses & libraries
• Dynamic user update capability for libraries
• Complete integration of data fields across all forms
• Allows quick method to enter medical data
• Complete workflow based integration
• Medical forms can be user defined, easily and quickly
The medical documentation process in ORBIS is a key benefit to clinical professionals, as it provides them with an interconnection that takes into consideration their individual workflow needs and job function.

At the same time, the solution’s holistic approach and setup enables this information to be shared with authorised clinical and hospital staff, enabling them to break down barriers. This approach leads to a higher level of adoption as well as avoiding complicated navigation to multiple applications and subsequent logins.

Simultaneous capturing of clinical services and clinical coding
During the clinicians’ documentation process ORBIS simultaneously captures the entry of all clinical services. This results in a comprehensive overview of all services provided until the end of a stay in a hospital including:

- Surgery
- Radiology
- Laboratory
- Pharmacy
- And so forth

All diagnostic images, reports and clinical coding information can easily be included in the medical documentation.

Complete workflow integration
The patient’s case data is centrally stored in ORBIS’ electronic patient record (documents, findings, dictations, images, etc.) and is available for updates and auditable modifications. The discharge summary template for instance already contains all relevant data and information such as the latest surgery reports or lab results and is seamlessly available for clinician input.

ORBIS greatly simplifies the management of medical documentation by making it easier to access and update, while the design and navigation of the solution makes the process more efficient. This yields to better treatment quality by reducing redundancies and transmission errors.
The availability of electronic order entry and result reporting combined with the enterprise-wide scheduling solution of ORBIS, enables the coordinated workflow freeing up valuable time for your clinical staff, and thus reducing cost and improving patient safety.

Order entry & result reporting and scheduling

ORBIS links clinical care units with the other specialties in the hospital – this allows clinicians to view the patient real-time, rather from paper charts that may or may not be fully complete. Signatures, authorisation and scheduled events are ready when the clinician needs to view them. This reduces phone calls and avoids redundant and duplicated orders.

ORBIS enables electronic ordering of exams, tests, medications and other services incorporating enterprise-specific libraries, clinical documentation and an electronic patient administration record. When clinicians order they are prompted with pre-selected choices, based on a multitude of best practices and in consideration of the medical aspects of the patient. These rules-based logic steps allow clinicians to have on-line queues that allow them to navigate quickly to set-up treatment plans and protocols that improve the delivery of care and support patient safety.
Active support for clinicians

Within the order entry and result reporting process, all order forms and the enterprise-wide scheduling are made available by default and contain patient information, medication, materials, equipment, resources and rooms. The activities associated with an examination and the relevant coding information is automatically documented and directly transmitted at the appropriate time across the care record. Clinicians are actively supported in their findings by the best practice finding logics, and images can directly be inserted into the findings.

Access to the findings with all of its data, documents, images, dictations, etc. is granted immediately within the hospital, and can be made available to the referring clinician via ORBIS’ secured web access.

ORBIS automatically generates work lists to assure the completion of all procedures. Work lists provide each team member with the individually assigned tasks and the current status in the workflow.

Key Benefits:

- Intuitive migration towards paperless hospital
- Full support of all relevant electronic workflows
- Management of personal and resources in customised calendars
- User friendly advanced search functionalities
- Scheduling fully integrated within the clinical departments and the enterprise-wide order entry and result reporting workflows
- Integration of reporting, service documentation and billing information
- No double entry of data
- Interoperability with third party systems throughout international standards (HL7)

Discover Agfa HealthCare?

Because Agfa HealthCare is a leading provider of Healthcare Information Technology and Diagnostic Imaging Solutions for care providers world-wide.

Based on our in-depth clinical and administrative domain knowledge and our commitment to interoperability and medical standards (DICOM, HL7, IHE) we are dedicated to transform innovative ideas into state-of-the-art solutions and services that can help our customers to manage their businesses more efficient and profitable while improving the quality of care.

For more information please contact www.agfahealthcare.com
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