

ascom

Digistat[®] Critical Care

The information management solution for critical care



Four key benefits from a single solution

Digistat Critical Care is the digital information solution for acute and sub-acute care. It is used in adult, paediatric, neonatal, post-op and specialist ICUs, and high-dependency or step-down units.



Digistat Critical Care captures data from multiple sources: medical devices, labs, radiology departments, hospital information systems, etc. It then presents the data on bedside touchscreens, desktop PCs, wall-mounted displays and mobile devices.

Less paper-based documentation

Transcribing medical device data is time-consuming and open to error. Digistat Critical Care automatically captures physiological and other key data and transmits them into the patient record. Integrations with other hospital systems allow Digistat to create a single digital clinical record for each patient which follows them across the whole pathway.

Minimise the potential for documentation errors

Digital documentation and data gathering can help minimise transcription errors. Data (from medical devices, assessments, other systems etc.) is automatically harvested, entered and updated, meaning fewer opportunities for errors.

Holistic overviews

Digistat Critical Care gives clinicians complete and detailed overviews of a patient's progress over time. Such diachronic overviews can help clinicians identify trends in a patient's condition, and helps them see connections between medications, therapies and a patient's responses.

A modular solution that grows with you

Digistat Critical Care is completely modular, built of units that can be adapted and customised to meet your facility's changing needs. This modular design also means you can start small, with modules aimed at specific issues such as fluid balance calculation or scoring, then gradually scale up to a comprehensive acute care management system.

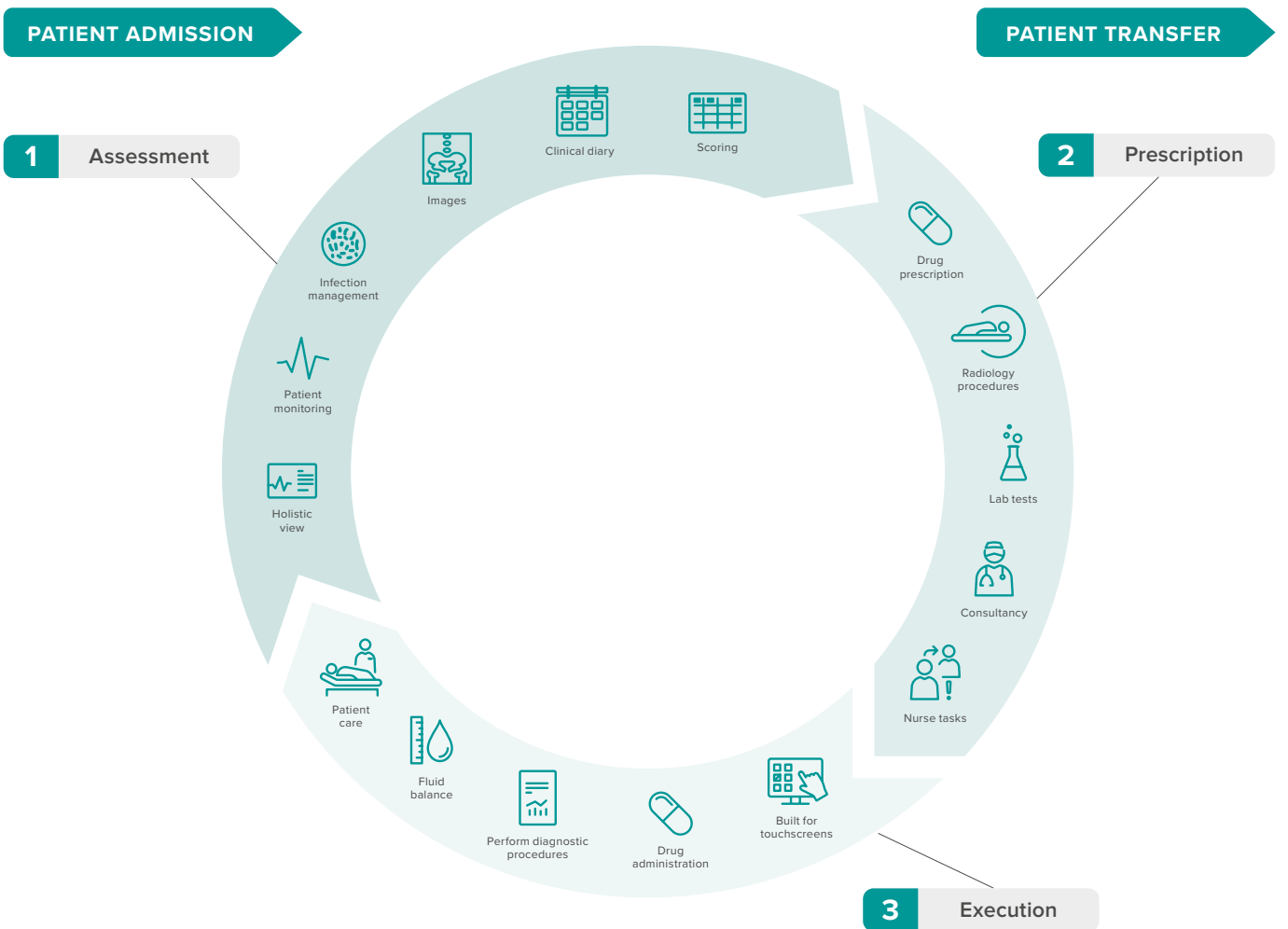
"The Digistat solution allows us to have constantly updated parameters and events data for each patient."

Dr. Massimo Nolli

Director ICU and Anesthesia Department, Regional Health Service, Piacenza, Italy

Detailed digital information at every phase of the care cycle and beyond

The benefits of detailed clinical information go way beyond the ICU care cycle. Stored clinical information and case files are invaluable for research certifications, performance reviews and best practice considerations.



1 Assessment

Give clinicians a detailed and comprehensive picture of a patient's status. Automatically collect data from multiple sources such as medical devices, clinical diaries, severity scores, images, lab results, fluid balances, etc. Digistat Critical Care can help streamline care processes - contributing to better productivity, cost control and patient care.

2 Prescription

Give doctors a central point from which to prescribe therapies, actions and medications for specific patients at specific times. Clinicians can prescribe medications, infusions, drips, lab tests, imaging, nurse tasks, monitoring etc. Prescribed actions and medications are presented in an intuitive interface to all relevant clinicians.

3 Execution

Enable the swift documentation of prescribed actions. A bedside touchscreen lets staff confirm task completion. The solution also helps nurses with charting, scoring, fluid balance calculations and other tasks - giving them more time for care and helping to reduce paperwork and its associated risk of errors.

Module by module to a complete clinical data management solution

Digistat Critical Care consists of modules that can be tailored to meet specific challenges. Below are just some of the key features and benefits of the modules.

Automatically collect medical device data

Digistat Critical Care modules integrate directly with medical devices. Clinicians gain access to data that has been automatically captured in near real time. This data can also be automatically entered into the patient record, or securely stored for manual validation. This eliminates manual transcription and can help reduce transcription errors. All integrations are managed by Digistat specialists. Digistat Critical Care is vendor-neutral and can be used with medical devices from any manufacturer.

Combine clinical data from multiple sources

Help ensure your clinicians get a full picture of patients' conditions. Digistat Critical Care harvests data from multiple sources such as medical devices, electronic medication systems, labs, and other systems. You can also create customisable charts that show the links between different data items.

Prescribe and administer complete therapy plans

Digistat Critical Care features a prescription interface that supports the creation of complete therapy plans. It also generates time-specific task lists that clearly show the plans, and includes prompts to remind staff when therapies are due. The solution also keeps accurate records, automatically logging administration data when tasks are completed.

Systems integration

Being vendor-neutral, Digistat Critical Care can be deeply interconnected with the overall digital framework of your facility. Such strong integrations contribute to smooth information flows and help minimise data silos. Digistat Critical Care integrates with medical devices, as well as with other hospital systems such as labs, microbiology, PACS, EPRs and so on.



Manage clinical documentation

Support specific workflows with assessments and forms, configured with a consistent user interface. Digistat Critical Care also helps minimise double documentation by sharing clinical information with authorised recipients. Flexible configurations and touchscreen support make data entry easy, with body maps and clinical diaries providing complete and continuous documentation from admission to discharge/transfer.

Support unique workflows

Digistat Critical Care addresses the unique needs of individual units/departments. The core functions of data entry and review can be configured to support specific ways of working. And there is full user support during the go-live phase and beyond.



Clinical decision support

Use Digistat Critical Care for the early detection of potential patient deterioration. The solution combines multiple data inputs (medical devices, assessments, hospital systems etc.) with custom and configurable algorithms to automatically generate tasks and alerts.

Ward level situational awareness

Digistat Critical Care pulls together near-real-time clinical data to give staff a full picture of the condition of all patients. The system also sends alerts to dashboards and/or mobile devices - which can help ensure swift and appropriate responses, and reduce nuisance alarms amongst clinicians.

Support mobile workflows

Alerts can be sent to smart devices such as the Ascom Myco smartphone. Clinicians, regardless of location, can access clinical data and share it with colleagues and systems. Filtering and redirection of alerts helps ensure that only actionable information causes interruptions and that alerts go to those best able to respond.

Make life easier for critical care teams

Automatically capturing and sharing data helps save time and effort and can contribute to reducing the cognitive load on clinicians. Digistat Critical Care's configurable information views, for instance, eliminate the need to search multiple silos for information on patient status.

Easy scalability

The Digistat Suite is completely modular, built of units that can be adapted and customised to meet the changing needs of your facility. This modular design also lets you start small, with modules aimed at specific issues, then gradually scale up to a comprehensive acute care management system. The solution also supports seamless care and record keeping throughout the care journey, easily following patients between surgery and critical care.

A high-availability medical device

Digistat Critical Care is built and tested for high availability and with modules certified as a class IIb medical device according to the EU's Medical Device Regulation ((EU) 2017/745). All Digistat modules and solutions are supported by a comprehensive after-sales and services program.

"The introduction of this innovative technology will enhance the care patients receive and allow doctors and nurses to spend as much time as possible caring for patients."

Vaughan Gething

Minister for Health and Social Services of the Welsh Government



Features and benefits at a glance

Features

- Scalable architecture. Can be scaled to handle everything from a single ward to a multi-facility implementation involving thousands of medical devices.
- Integration with external systems such as PACS, RIS, EPR, ADT, laboratories etc.
- Modular solution for phased implementation.
- Extremely customisable and intuitive with easy-to-use touch-screen interface.

Benefits

- Align staff around shared information and goals. See validated and near-real-time clinical data in consistent formats on a range of screens and devices.
- Holistic picture of patient status and progress. Data is captured from multiple sources: medical devices, images, laboratories, scores etc.
- Physiological parameters are continuously acquired and recorded, and displayed when needed on intuitive interfaces.
- Continuous updating of patient records. Patient histories are documented from the time patients enter the unit until transfer.

About Digistat®

Digistat® Suite is the clinical information system developed by Ascom to manage patient data in different areas (e.g. Intensive Care Units, Operating Rooms, etc.).

It is a medical device according to local legislation, depending on modules used. The solution may not be available in a particular country or region as subject to regulatory clearance.

Please check with Ascom UMS or your local Ascom representative, for the availability of the solution in your market and for detailed technical specifications or compatibility restrictions. Specifications are subject to change without notice

Digistat Critical Care is a specific solution of Digistat® Suite.

About Ascom

Ascom is a global solutions provider focused on healthcare ICT and mobile workflow solutions. The vision of Ascom is to close digital information gaps allowing for the best possible decisions – anytime and anywhere. Ascom's mission is to provide mission-critical, near-real-time solutions for highly mobile, ad hoc, and time-sensitive environments. Ascom uses its unique product and solutions portfolio and software architecture capabilities to devise integration and mobilisation solutions that provide truly smooth, complete, and efficient workflows for healthcare as well as for industry and retail sectors.

Ascom is headquartered in Baar (Switzerland), has operating businesses in 18 countries and employs around 1,300 people worldwide. Ascom registered shares (ASCN) are listed on the SIX Swiss Exchange in Zurich.

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