The MetaVision Advantage

Support for the entire range of ICUs

MetaVision has been successfully implemented in all types of ICUs— including adult, pediatric, neonatal, and specialty. The system's robust architecture meets the challenges set by these high-need, data-rich environments with their multiple treatment regimens.

For example, MetaVision for NICUs facilitates the creation of a single continuous record for NICUs and step-down nursery units. It provides electronic labor and delivery forms, highly accurate drug and fluid management, automated intake calculations, precise compounding of neonatal nutrition, and newborn growth charts. Further, MetaVision for PICUs meets the requirements of this specialist environment by offering a range of tailored functionalities, including user-defined boundary values to prevent excessive dosages, and an automated fluid balance accurate down to the level of ampoule volumes.

Data continuity across the continuum of care

MetaVision maintains a single patient record across ICUs, pre-op units, ORs, recovery units and general floors. Patient information from the entire hospital stay is presented in a single flowsheet spanning multiple units. This functionality allows healthcare professionals to plan medications during the intra-op period and subsequently manage and modify such medication plans in the PACU, or view vital signs, nursing observations, and lab results from the patient's ICU stay once the patient is in the step-down or general care unit.

Clinical decision support

MetaVision's Event Manager allows for the easy generation, maintenance and enforcement of complex clinical protocols in the critical care environment. Further, it continually identifies nuanced changes in patient status, using branching, longitudinal logic enabling a timely clinical response. For instance, Event Manager can be configured to promote generic drug usage, optimize data capture necessary for improved reimbursements and confirm compliance with regulations, payor requirements and best practices.

Research and analysis

MetaVision offers clinicians a rich data resource for their research projects. The Query Wizard enables clinicians to easily define and run queries across patient populations on all of the data resident in the MetaVision database. Research can focus on such diverse topics as cost analysis, quality measurements, and clinical trends.

Full integration with healthcare IT infrastructure

MetaVision is fully interoperable with your hospital's HIS investments. It interfaces with all typical hospital systems, such as ADT, labs, CPOE, billing, scheduling, PACS, and LDAP, while supporting your hospital's evolving IT strategy. The MetaVision library of drivers contains over 200 medical devices, including those most prevalent in the current market. Additional drivers are continually being developed to meet customer requirements.

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Better Information
Better Decisions
Better Care
Providing the best possible care to high-risk patients is an increasing challenge for hospitals. With budget constraints, staff shortages, competing care protocols, a growing administrative overhead, and increasing regulation, the demands are greater than ever. The MetaVision® Clinical Information System empowers you to meet these challenges and improve quality of care.

Research proves that MetaVision has helped hospitals reduce ICU mortality by 30%, increase reimbursements by hundreds of thousands of dollars, and decrease time spent on administrative tasks by more than 90 minutes per shift. With a 100% retention rate, and operational in 20 countries and 16 languages, MetaVision is the solution of choice for hospitals worldwide.

Optimal Coverage of the ICU Workflow

MetaVision is an advanced point-of-care Clinical Information System built especially for the critical care environment. It captures, displays, analyzes, reports, and stores the vast amount of patient-related data generated in the ICU. MetaVision builds a comprehensive electronic file covering the entire patient stay in the ICU and beyond. It includes advanced functionalities, such as clinical decision support, quality-of-care reporting, and patient data exchange across the entire continuum of care.

From admission to discharge, MetaVision enhances your unit’s workflow. It supports clinical assessments and care planning, offers tools to plan and implement treatment, supports detailed clinical protocols and creates a rich resource for clinical research projects.

Patient Admission

MetaVision fully covers the patient admission process. Data, such as demographics and allergies, are automatically imported from your hospital information system, saving you time, reducing errors and freeing you to focus on direct patient care. All patient information from previous encounters is readily available. For example, the system allows you to easily document wound status and diagnosis, or assign admission protocols, while helping promote standard unit policies.

Patient Assessment

Reviewing the patient chart

MetaVision draws data from medical devices and hospital information systems every minute, and presents it as actionable information. The system’s flexible display allows you to present complex patient data in a way that reflects your unique requirements. You can design data views incorporating all the information you need – such as vital signs, lab results, X-rays and more – on one screen, and in the format you prefer – tables or graphs.

For instance, physicians use MetaVision during their rounds to access a patient-centric dashboard that includes all essential clinical information; or to review the full details of an infection, including culture results, antibiotic treatments, and invasive lines. Nurses can view patient care, assessments, tasks and other critical information in a single display. For example, invasive line age, patient hygiene tasks and patient positioning can all be viewed at one time. Predefined color codes indicate abnormal or out-of-range values, supporting the process of diagnosis.
Automatic score and patient intake calculations
MetaVision helps assess patient progress by automatically calculating a wide range of clinical scores. Moreover, the system automatically computes complex formulas and aggregates data from each intake/outrace source to calculate patient fluid balance, ensuring accuracy and saving you time.

Identifying changes in patient condition
The Event Manager, a powerful decision support tool, constantly scans the comprehensive patient record and sends timely notifications of changes in patient status or the need to adhere to custom protocols. For example, it can provide you with an early warning of abnormal blood glucose levels.

Medication and Order Management
MetaVision supports the medication cycle and the documentation of nursing tasks. Treatment plans may be presented in a number of familiar formats: as Gantt charts offering a complete picture of the patient treatment plan, including actual vs. planned; or as interactive lists presenting the patient's current medications. You can easily change plans as required. Before you commit to a new plan, MetaVision simulates the patient's upcoming fluid, electrolyte, and calorie intake, while highlighting allergies, out-of-range medication doses, and other patient safety issues. All the relevant information is then sent to the nurses' to-do list, where reminders are issued for on-time administration of fluid and medications, and execution is easily documented.

Observations and Shift Summaries
MetaVision enables electronic documentation for your unit and beyond. The system allows for a paperless clinical environment eliminating cumbersome and error-prone paper charting. Patient data, observations and treatment plans can be easily shared among the entire clinical team. Dedicated notes, forms and reports can be automatically populated with data from the patient flowsheet, saving you significant time on documentation.

Patient Discharge
Discharge documentation is easily completed using MetaVision. Reports are automatically populated with information captured during the patient's stay, while configurable mandatory fields enforce completion of data required for billing or other governmental or regulatory purposes. All the relevant information is sent electronically to the receiving unit.
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Leading hospitals worldwide have been choosing MetaVision® for over a decade. Here’s why...

> Creates a complete patient record
> Improves financial performance and billing
> Enhances care quality and reduces errors
> Provides proven decision support tools
> Enables protocol compliance
> 100% customer retention rate

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