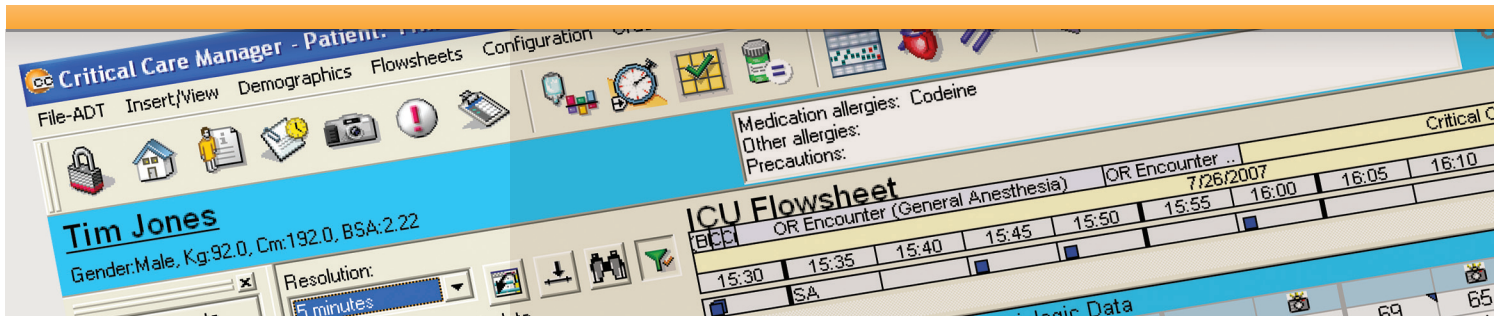


Picis Critical Care Manager



Picis Critical Care Manager is part of the CareSuite® family of high-acuity solutions that are designed specifically to automate documentation of high-acuity care areas where patients are most vulnerable and costs and revenues are greatest. Intensive care units, emergency departments and the perioperative suite require the right tools to deliver highly efficient, quality care. Picis has unmatched expertise in these hard-to-automate areas and a proven track record of delivering a rapid return on investment.

Automate and optimize processes when every second counts

Critical Care Manager is a comprehensive clinical documentation and decision support system that manages the complex workflow of the ICU. This automated solution organizes high volume device data, lab results, calculations, orders, medications and clinical documentation for physicians, nurses and other members of the multidisciplinary team. Critical Care Manager provides a seamless flow of information to everyone on the clinical team, an essential combination for supporting efficient workflow and immediate access to reliable patient information where it is needed most — at the bedside.

The automation of clinical documentation for all types of critical care environments including neonatal, pediatric and adult intensive care units enables physicians, nurses and therapists to view complex and diverse data in a single application.

Picis Critical Care Manager

Automate and optimize processes when every second counts

Intubation Procedure Note

PATIENT INFORMATION ICU Day: 5
Name: Wiley Coyote Age: 45 years Gender: Male

Pre-procedure
Consent: Patient identification confirmed Sterile procedures observed
 Verbal Written Emergent consent implied
Performed by: _____
Date: 9/2/2008 Time: 10:00 AM
Indication: Cardiac arrest Hypercarbia Hypoxia Replacement ETT
 Airway protection Respiratory arrest Respiratory failure Unstable patient
Other: _____
Airway: Patent Non-patent Intubated Oral airway
 NP airway Bagged with BVM Adequately suctioned

Procedure
Sedation: None Etomidate Midazolam Propofol
Other: 5 mg
Paralytic: None Pancuronium Rocuronium Vecuronium
Other: _____
Pain medication: None Dilaudid Fentanyl Morphine
Other: 25 mcg
Other medication: Atropine Lidocaine
Other: _____
 Pre-oxygenated Cricoid pressure
 Cords visualized Unable to fully visualize
 Oral-laryngoscopy #3 Straight laryngoscope blade
 Bronchoscopic Nasal
Tube size: 8.0 mm Cuffed Other size: _____
Attempts: 1

Post-procedure
 NGT placed OGT placed
Confirmation: Oxygen saturation 98%
End-tidal CO₂ reading 24
 Bilateral breath sounds equal
 Chest x-ray ordered, confirm placement Chest x-ray completed, placement confirmed
Other: _____
Ventilator settings: FI_O₂ 100%
Tidal volume 650 ml
PEEP 5 cm H₂O
RR 12 /min
Complications: No complications Bleeding Failure to intubate
Other: _____
 Well tolerated With difficulty Uncooperative

INTUBATION procedure notes:

Clinical documentation that helps adhere to institutional workflow standards

With healthcare regulatory agencies denying reimbursement for the treatment of preventable errors, the documentation of clinical processes has never been more important. Critical Care Manager is a centralized documentation system for the entire ICU multidisciplinary team, generating consistent, structured and legible clinical documentation. As a result, this solution reduces the risk of errors resulting from repetitive documentation, transcription of clinical data from one place to another and illegible notes.

Critical Care Manager is a flexible tool that provides customizable forms, such as physician notes, progress notes, admission notes, and discharge and transfer summaries. Templates can be created to reflect institutional requirements used by each ICU department. At the same time, forms can be modified to meet department requirements or sections of a form can be imported into another form for re-use. Defined clinical information from the database is then imported into forms, making documentation swift, efficient, and less error prone for intensivists and other clinicians.

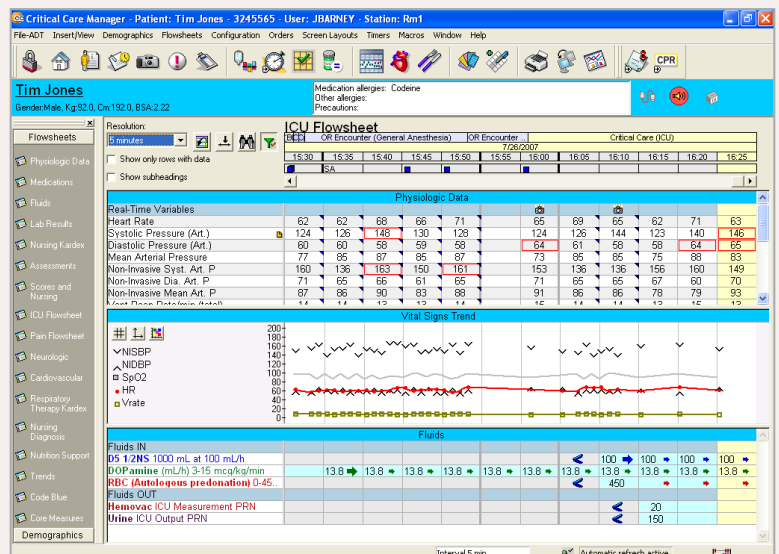
As with any Picis solution, our clinical and technical experts will provide the necessary support to ensure staff acceptance, as well as help facilities make the transition toward best practices.

Interoperability eliminates duplication of information

Interoperability in intensive care is vital to customer satisfaction and Critical Care Manager is a proven interoperable solution. Patient information is collected automatically from monitors, ventilators, laboratory systems, hospital information systems (HIS) and other medical devices at the bedside. This effectively eliminates redundant data entry and transcription errors and allows clinicians to remain at the point of care.

Gain nurse efficiencies using standard protocols

Standard care protocols — including key assessments, treatments, scores, documentation requirements, laboratory results and medications — are available within Critical Care Manager. Consider Joint Commission restraints guidelines, for example. With Critical Care Manager, nurses can easily establish a restraints protocol standard and the system will not only prompt staff for necessary documentation, but also proactively assess compliance. This helps organizations increase compliance with regulatory requirements, react quickly to regulatory changes, and minimize exposure to liability. Critical Care Manager also supports Joint Commission-compliant units of measurement and tall-man lettering to distinguish look-alike medications. It also supports a hospital's forms, guidelines for documentation and practice protocols.



Picis Critical Care Manager

Automate and optimize processes when every second counts

Rose McNeil Age: 50 years
Sex: Female

Patient summary for: 07:00 - 15:00 (Day shift 8h) (1/26/07 07:00 - 1/26/07 15:00)

- **Patient name:** Rose McNeil
- **Room #:** ICU
- **Account #:** 087979809

Key Patient history

- 1/26/07 08:55 (Jones) Intubated upon admission, in resp distress from PACU.
- 1/26/07 09:04 (Jones) Central line inserted R subclavian, lung puncture with chest tube insertion.

Current Information:

Events

- 1/26/07 08:41 (Jones) Admission orders obtained
- 1/26/07 08:41 (Jones) Cardiac monitor/leads attached
- 1/26/07 08:41 (Jones) Family support given for first visit
- 1/26/07 08:41 (Jones) ID band in place/verified
- 1/26/07 08:41 (Jones) Monitors checked and alarms on
- 1/26/07 08:41 (Jones) Patient arm band in place
- 1/26/07 08:41 (Jones) Patient chart reviewed
- 1/26/07 08:41 (Jones) Patient ID verified
- 1/26/07 08:41 (Jones) Physician notified of physician arrival
- 1/26/07 08:41 (Jones) Transferred to ICU bed

Vital Signs

	Time	Max	Time	Min	Time	Last
• SBP Art	08:55	147	08:50	122	10:33	128
• DBP Art	09:10	66	08:40	55	10:33	55
• NISBP	08:40	163	08:45	136	10:33	163
• NIDBP	09:20	71	09:45	59	10:33	66
• HR	09:40	71	08:55	59	10:33	66
• Vent Resp Rate (total)	08:40	15	08:50	13	10:33	15
• Glasgow Coma Score	08:40	9	08:40	9	08:40	9

APACHE II: 28 (08:45)

Fluids

- D5 W 0 mL Continuous
- Dopamine 0.5-20 mcg/kg/min Continuous

Medications

- Ciprofloxacin 200-400 mg Intravenous Infusion q12h
- Ciprofloxacin 200-400 mg Intravenous Infusion q12h

Expedite the transfer of information between staff

A patient summary — providing critical information collected over the previous 24-hour period and summarized in an easy-to-view standard format — is generated in seconds with Critical Care Manager. This report saves clinicians' time when transferring patient information between nurses at shift change, during physician teaching rounds or when transferring patients between clinical areas. Other caregivers — such as respiratory therapists and nutritionists — can access an overview of a patient's condition without sorting through large volumes of collected data. This helps minimize the risk of errors and communication gaps and enhances caregiver productivity.

Clear visibility to fluid balances and drug dosages

Critical Care Manager provides clear visibility to fluid balances. It automatically records and displays fluids and fluid/medication calculations documentation, reducing the time that nurses spend calculating and charting. Direct connection to the intravenous pumps helps reduce documentation errors and provides up-to-the-minute information for informed decision making. At the touch of a button, the system quickly calculates and displays a fluid balance summary to help support clinical decisions. For example, clinicians can correlate various hemodynamic parameters with treatments such as narcotic administration and pain scores. It provides assistance in accurately calculating and recording fluids and medications, allowing clinicians to avoid transcription and calculation errors while helping enhance the efficacy of care.

Configurable for the unique needs of specialty ICUs

Critical Care Manager supports the specific workflow requirements of different ICU environments. In the neonatal intensive care environment, for example, Critical Care Manager keeps a running total of fluid balance calculations and can track to 1/100th of a cc. In the cardiovascular ICU, the system can easily connect to specialized equipment, such as intra-aortic balloon pumps and ventricular assist devices. No matter what the environment, Critical Care Manager can be tailored to meet its unique clinical and business requirements because it is configurable to support the workflow and patient management of specialty ICUs.

Powerful data correlation

Trends are graphically displayed, giving clinicians a visual image of data correlation at the point of care, which helps reduce medical errors. For example, a sophisticated graphical charting allows clinicians to track blood gas results versus ventilator setting.

Supporting continuity of care

Picis provides clinicians with one contiguous record that spans the ICU, the operating room (OR) and the post anesthesia care unit (PACU), making the flow of information seamless and ensuring that a patient's progress is automatically tracked and documented from one high-acuity area to another. This online record can be easily reviewed at the patient's bedside or from any remote location. With such powerful capabilities, clinicians have the flexibility to review patient care data and make decisions based upon the complete picture. These data-driven decisions can help clinicians improve care and dramatically reduce costs. Continuity of clinical documentation saves time and reduces the risk of communication errors when transferring patients between care areas or clinicians. It supports quality assurance efforts, since the impact of an event in the OR and PACU can often be seen as an outcome in the ICU.

Picis Critical Care Manager

Automate and optimize processes when every second counts

Key features

- Connectivity to medical devices
- Integration with laboratory results and with electronic medical record (EMR) and administration/discharge/transfer (ADT) systems
- Advanced fluid management
- Automatic collection of fluid and medication data from intravenous pumps
- Fluid balance calculation
- Correlation of data into configurable views
- Correlated medications, fluids, vital signs information, scores and events without the need for charting
- Graphic trends comparing outcomes to interventions
- Prompting of care documentation
- Proactive tracking and reporting of care compliance
- Visual identification of outstanding care needs
- Automated patient summaries
- Assessment findings, user-defined and standard scores and treatment documentation
- Support for charting by exception
- Supports multidisciplinary care practices
- Remote access to clinical records
- Support for low- and high-acuity documentation
- Care metrics track the length of treatments
- Demographic window
- Audit trail and high-level security
- Clinical database
- Structured clinical documentation drawing on relevant clinical information stored in the database
- Configurable documentation forms to adhere to workflows and standards
- Documentation shortcuts or macros
- Clinical Context Object Workgroup-based (CCOW) desktop integration for orders
- Includes critical care flowsheet, ventilator flowsheet and rounds report
- Optional creation of rules based on clinician-defined criteria

About Picis

Picis is a global provider of innovative information solutions that enable rapid and sustained delivery of clinical, financial and operational results in the acute care areas of the hospital. These high-acuity areas include the emergency department, operating and recovery rooms, and intensive care units. Picis offers the most advanced suite of integrated products focused on these life-critical areas of the hospital where the patients are the most vulnerable, the care process is the most complex and an increasing majority of hospital costs and potential revenue are concentrated. Headquartered in Wakefield, Massachusetts, Picis has licensed systems for use in more than 1,700 hospitals in 19 countries. More information is available at www.picis.com.

