ehCOS SmartICU

Smart Intensive Care Units

IN ehCOS LAND,
LARGE VOLUMES OF DATA INTEGRATE IN REAL TIME TO IMPROVE THE ACCURACY OF CLINICAL DECISION-MAKING

ehCOS SmartICU is the advanced predictive analytics solution that helps healthcare professionals make accurate clinical decisions, improve the care of critically ill patients, reduce morbidity, mortality and rates of preventable adverse events optimizing resources in intensive care units (ICUs).

VALUE PROPOSITION

The Challenge of Data in the ICU

Doctors and nurses have an abundance of data and vital signs in the ICU, not all of the data is processed or analyzed for efficient and safer clinical decision-making

- A Big Data solution for easy and usable data management in the ICU.

- Analytical scenarios prebuilt by a team of data scientists and healthcare professionals.

- Advanced tools that analyze patient data in real time.

- Integration of biomedical equipment from different vendors.

- Frequent planning of new analysis scenarios.

PRODUCT DESCRIPTION

ehCOS SmartICU is the advanced predictive analytics solution that helps healthcare professionals make more accurate customized clinical decisions, improve the care process of critically ill patients, reduce morbidity, mortality and rates of preventable adverse events optimizing resources in intensive care units (ICUs).

The tool provides healthcare professionals with an understandable display of real-time patient clinical data in a single control panel to determine relationships between the data and possible treatments.

INTEGRATING BIG DATA ANALYTICS SOLUTIONS IN THE INTENSIVE CARE UNIT

ehCOS SmartICU uses automated learning techniques that extract the necessary knowledge to design and predict scenarios for patient care in the ICU.

The analysis of large amounts of data with Big Data Analytics technology and clinical-protocol-based integration has a significant impact on the efficiency and accuracy of clinical decision-making and priority-setting in the care of these patients.

All of this contributes to the development of new care protocols and improvements in existing ones.

Nursing Chart

Vital Signs Integration

Online Patient Information
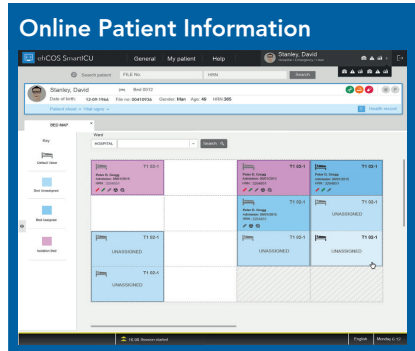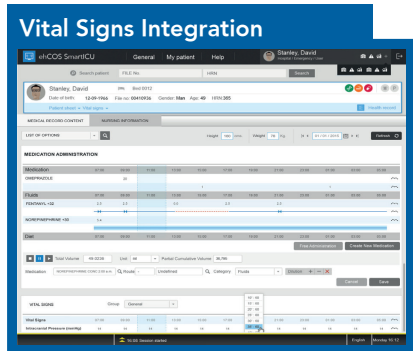
FEATURES

- Applicability: Intuitive tool that collects, organizes and configures data in a fast and easy manner.

- Resource Management: Efficient distribution of healthcare resources.

- Cost-benefit Analysis: Analysis and comparison of different techniques relating to costs, reimbursement and its impact.

- Implementation of predictive models: Discover relationships between vital signs and treatments, and detecting patterns of practice to assess responses to patient care and treatment.

- Interoperability: Automated and standardized processes for capturing patient data from biomedical equipment, Electronic Health Records, laboratory, etc., to reduce data management time and the risk of error.

- Improvement in treatment protocols: Maximizes health outcomes and optimizes resources.

- Event management system that provides instant knowledge of the patient's medical condition.

- Measurement of effectiveness of healthcare protocols: Measures the effectiveness of certain protocols, therapies or techniques applied by the platform in a coordinated and standardized manner.

CLIENT WORKSTATION REQUIREMENTS

- Minimum 2 GB physical memory, 4 GB recommended (depending on Operating system).

- Minimum recommended screen resolution 1280 x 1024.

- At least 15 kbps recommended bandwidth, per user.

- Microsoft Windows, Mac OS X, iOS, Android, Linux Operating systems.

- Microsoft Internet Explorer/Firefox/Google Chrome/ Safari Web Browsers.

- Adobe Acrobat Reader.

- Video player (JPEG, JPG, PNG, PDF, MP4, WEBM, OGV).

OPTIONAL DEVICES

- WACOM Pad.

- DigitalPersona biometric fingerprint reader.

- Java Runtime Edition 8 required for these devices.

ehCOS
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