

# COSMIC Emergency

– *The Emergency unit's best friend*

COSMIC Emergency is the operational support that has been developed for people working in emergency units. COSMIC Emergency gathers all the relevant patient and operational information in the Emergency Department. You will no longer have to rush from one computer system to another, deal with large piles of paper or stand next to fax machines spewing paper. COSMIC Emergency is specifically about collected information management.

## **TOTAL OVERVIEW**

You can get a total overview of the operational situation within the unit including waiting times, patients on transfer and so on. COSMIC Emergency supports the care process and shows the information to suit each user's varying needs. As Cosmic Emergency is updated automatically, the latest information is always visible and the user can also directly access other parts of COSMIC or other external systems.

## **WINDOWS AND VIEWS – A QUICK DESCRIPTION:**

COSMIC Emergency offers several different views, presenting information in different ways for different tasks and supporting varying requirements.

**Unit Overview.** This is the main window, with an automatically updated patient overview.

**Priority (Triage).** Support for decisions on patient prioritisation.

**Care-Contact Information.** For creating and updating care contacts.

**Patient Log.** Shows activities connected with individual patients.

**Operational Workload.** Shows the current workload at the Emergency unit.

**Emergency Check-Screen.** A personalised quick overview of patients and rooms.

**Waiting-Time Information.** Information for on-screen display in the Emergency unit.

## **UNIT OVERVIEW – ALWAYS OPEN, ALWAYS READY**

Unit Overview is the main window in COSMIC Emergency. This window is always open, and is used by all professional categories in the Emergency Unit. The Current Contacts tab displays all the patients currently in the Emergency unit. The Unit Overview displays all relevant and important information. Which patients are the responsibility of a particular unit, team or individual care provider. The table can be filtered, grouped or sorted in various ways:

- where the patients are
- what the "next step" is: send a referral, see whether a reply has come in or sign for test reports
- which patients have been assigned various priorities
- which patient needs assessing next
- how many patients need to be moved to an inpatient ward

The table is automatically updated with all relevant latest information displayed within one window. You can also quickly switch to other windows in COSMIC Emergency

(Priority, Care-Contact Information) and in other COSMIC modules (e.g. Order Management, Medical Record), as well as to other external systems integrated with COSMIC.

## **PRIORITY (TRIAGE)**

The Priority window is primarily used as support for decisions on patient prioritisation. Priority works as follows: The reason for the visit is selected, and so-called 'vital parameters' are measured and entered. Examples of vital parameters are blood pressure, body temperature and heart rate. On the basis of the entered values COSMIC Emergency suggests a priority level, though it is always the person responsible for prioritisation who decides which priority the patient is allocated. The priority is then registered in COSMIC Emergency when the prioritisation is signed.

The prioritisation is then repeated several times during the patient's visit to the Emergency unit. The Priority window also provides direct access to useful medical texts linked to the selected reason for the visit. You can also access suggested measures for each level of priority. The priority window allows the user to redirect the patient to their home, to a GP, or another care facility. When a patient

is redirected, the Care Contact in Cosmic Emergency is closed.

### **CARE-CONTACT INFORMATION**

The main function is to create a new Care Contact when the patient has arrived at the Emergency Unit. The window contains all the information on the care contact that is relevant to an Emergency Unit. There are a number of specific components:

The names of the responsible doctor and nurse can be recorded; there is space for general notes or "yellow slips"; notes on confidentiality are provided; there is statistical labelling of the visit; there is the opportunity to state the importance of the care.

Here you will also find support for closing the Care Contact in the Emergency Unit. During the patient's stay the window Care-Contact Information is used to update the care contact in the event of changes, such as change or transfer in care provider or team, new nursing unit, transfer between rooms.

### **PATIENT LOG - A RECORD OF WHAT HAS HAPPENED**

The Patient Log is a read only view that focuses on the activities relating to an individual patient. The log sum-

marises all the activities that have taken place during the patient's visit at the unit. The log can be presented in various ways:

- in chronological order
- grouped by event (change in care provider, prioritisation, examinations etc.)
- display of current situation; the latest activity in the various areas

For instance, the log can be of invaluable assistance when you are starting your shift and want a quick overview of what has happened hitherto, or when you want to see details of a patient's visit.

### **OPERATIONAL WORKLOAD - FACILITATES PLANNING**

The operational workload is not specifically focused on patients but looks at the situation as a whole at the Emergency Unit. The purpose is to support planning and organisation at the unit by identifying the bottlenecks, and to improve the working conditions for the staff to ensure the quality of their delivery of medical care. The operational workload functionality may provide decision support when the workload level increases, as COSMIC will state the reason for the new level and possible suggested measures.

### **CHECK-SCREEN - MOMENTARY OVERVIEW**

The Check Screen is a variant of the Emergency Overview and is intended to provide a quick overview for open display either on a TV monitor or even projected onto a wall. The Check-Screen shows a momentary picture of the situation at the Emergency Unit and is used for speedy access to patient info. The Check Screen is automatically updated and can be created as a depersonalised view if required. Examples of columns that can be included in the Check-Screen are Place, Priority, Age, Gender and Reason for Visit. The System Administrator will work with Operational Management to determine which columns are displayed for which teams in the Emergency Unit.

### **INTERNET INFORMATION ON WAITING TIMES**

COSMIC Emergency can present data on current waiting times in the Emergency Department. This information can be displayed on screen - either in the waiting room, on the hospital's intranet, or publicly on the Internet.

