Primary Health Care (ICS – P)

Overview

Primary Health Care (ICS – P) applications support EHR management, appointment booking, billing of services, and supply management in the context of a primary health care provider setting. They follow high quality international trends regarding both the structure of the EHR, as well as integration with third party systems. The EHR is based upon internationally accepted models for primary care, and supports visit-oriented and problem-oriented views and process automation to support clinical decision for disease management and treatment planning.

Primary Health Care applications constitute the primary health care family (ICS – P) of FORTH-ICS’ Integrated Care Solutions suite. They are based upon an open, scalable and evolvable architecture that integrates distributed information and knowledge in a flexible manner, focusing on the timely and effective delivery of the appropriate information to all authorized users. Being the outcome of applied research, they encompass both state of the art trends and real-world requirements for effective use.

The main characteristics of the Primary Health Care applications are:

- They can be installed either as stand-alone systems or in combination with other ICS applications.
- They are subsystems of an integrated solution.
- They support automation of business processes both within and between healthcare facilities by communicating with each other.
- They can electronically interface with third party applications and open devices. All interfaces are based on standards such as HL7, DICOM, XML, and web services.
- They are customizable and scalable according to the needs of each institution.
- They support role based access control.

Target Domains

ICS – P is suitable for primary care centers and medical offices of private practitioners.
Description

Main Functionalities

The Primary Health Care family of ICS products have been designed for health care professionals who act as a first point of consultation for all patients within a health care system.

Primary Health Care applications include the following:

- Primary Care Unit Reception (PC-UR).
- Primary Care Unit Electronic Health Record (PC-HR).
- Private Practitioner Electronic Health Record (PC-PP).
- Primary Care Unit Appointment Management (PC-AM).
- Primary Care Unit Supply Management (PC-SM).
- Primary Care Unit IT Department (PC-IT).

Primary Health Care applications support standards based electronic communication with 3rd party systems for:

- Accounting, Materials Management, Pharmacy, Radiology, Laboratory, etc. for electronic transmission of patient and encounter data (e.g. invoices and cash movements, orders, etc.) and for updating lists of services.
- Laboratories for ordering / order cancellation and business intelligence / management information systems for the electronic transmission of data for statistical analyses.
- Communication with 3rd parties (e.g. insurance organizations) or government bodies in line with existing legislation.

Additional Information

The software suite Integrated Care Solutions (ICS) is a series of IT software, centered around the electronic health record, to support patient administration (ICS – A), pre-hospital emergency care (ICS – E), health information infrastructure (ICS – H), the integrated electronic health record (ICS – I), nursing and medical applications (ICS – M), primary health care (ICS – P), IT support (ICS – S), welfare (ICS – W), and picture archiving and communication (ICS – X).

The ICS suite follows high quality international trends regarding both the structure of the Electronic Health Record (EHR), as well as integration with third party systems through the use of internationally acclaimed standards and protocols (like HL7, DICOM, etc.). This system is deployed at more than 30 Primary Care Centers in Greece since 1998.

Contact details: Dimitrios G. Katehakis
katehaki@ics.forth.gr
www.ics.forth.gr/ceha