

User interface of MUDR Electronic Health Record

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Abstract

Development of the electronic health record architecture at the EuroMISE Center was inspired by existing European standards and several European projects. The developed EHR named MUDR implements the 3-layer architecture, using XML for communication between application layer and clients. Decision support module implementing the "1999 WHO/ISH Guidelines for the Management of Hypertension" is part of an application layer. Universal graph structure is used both to represent the set of collectable items - medical concepts in the EHR and to represent the collected data. Advanced methods of interaction between EHR and its user are studied, software prototypes are developed and their effectiveness evaluated.

Keywords: *electronic health record, user interface, MUDR*