

APPROACHES FOR FORMALIZATION AND SUBMISSION OF DYNAMIC DOMAIN MODELING AND THE PROCESSES OCCURRING IN IT FOR DEVELOPMENT OF COMPLEX STRUCTURED DYNAMIC MEDICAL DATA MONITORING AND ANALYSIS INFORMATION SYSTEMS

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Abstract: In the article was inspected the problems of formalization and representation of domain knowledge and the processes occurring in it, the development of information and intelligence systems, enabling carries out monitoring and analysis of complex structured dynamic medical data. Identified and justified the need for a special approach formalization of such data and knowledge, with the ability to dynamically adapt the domain model taking into account the timing of the domain objects and their components. Based on the performed research was developed and implemented specific algorithms and mechanisms to be used in information systems dynamical adaptation of the domain model and enable effective monitoring data, as well as carrying out their multi-criteria analysis and the formation of the actual analytical reports.

Key words: computer model, medicine, dynamic data monitoring.

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