

#1949 - Proposing a Nursing Informatics Model to Managing Complexity and Improving Nursing Care

Authors and Affiliations

Mohammad Reza Nami¹, Zhila Saneipour²,
1Faculty of Electrical, Computer, IT, and Biomedical Engineering,
Islamic Azad University- Qazvin Branch, Qazvin, IRAN
2 Nursing, Be'sat Hospital, AJA University of Medical Sciences, Tehran, IRAN

Corresponding Author and email

nami1352@gmail.com

Body

Nowadays, Dynamic health systems based on IT technology play an important role in improving quality of nursing care. Nursing informatics (NI) is one of new ideas that uses IT infrastructures and supports consumers, patients, nurses, and other providers in their decision-making in all roles and settings. The key elements of nursing informatics implementation have been considered as healthcare promotion, advanced systems, internet and network. We present a new Nursing Informatics Model that improves nursing care and management. Our NI model has been designed with multi-agents as intelligent objects. Basically, an *agent* is a computer system that is situated in some environment, and that is capable of autonomous action in this environment in order to meet its design objectives. It improves nursing care with acceleration in processes, orders and negotiating nursing, doctors, patients and other providers. Some of the features that are provided by our NI model are patient charting, staff schedules, clinical data integration, and decision support. We then explain some characteristics of the proposed model. Finally, main issues are discussed.

References

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