

# NURSING REFLECTIVE JOURNAL SAMPLE

Evangeline - a clinic for cardiovascular diseases at the Faculty of Medicine, includes prevention, complete noninvasive and invasive diagnostics, and percutaneous and surgical treatment of cardiovascular diseases. The mission of the clinic is to reduce the incidence and consequences of cardiovascular diseases in society through the systematic improvement of preventive, diagnostic and therapeutic procedures, and continuous education of medical workers and scientific research. Annually in Evangeline, there are more than 4300 hospitalizations, 10000 ambulatory cardiac, cardiac surgery, ultrasound examinations and control of heart electro stimulators, 3500 percutaneous diagnostic and intervention procedures and more than 540 cardiac surgery and vascular surgeries. Annually more than 14,000 telemedicine cardio logical consultations are conducted in Evangeline at the Call Center, which operates 24 hours a day for the whole year. Increasing the level of patient safety through continuous patient identity checks is prescribed as a condition for completing the process of accreditation of the Evangeline Clinic by the accreditation house "Accreditation Canada International". By introducing identification barcode bracelets this condition was fulfilled, and a special challenge was the simultaneous implementation of the project at all departments and levels of the hospital. The project of introducing identification bracelets at the Evangeline Clinic began at the beginning of 2016 as part of a program to increase patient safety. The patient's flow through the institution begins at the patient's office and at the hospital's reception desk, where the patient is identified. With the use of a personal identification card, the patient is enrolled in a hospital information system, and a worker on a special device prints a bracelet that is placed on the patient's hand. The bracelet is printed with a unique barcode, number, name and surname of the patient, date of birth, department on which the name and surname is received and the telephone number of the contact person indicated by the patient. After the bracelet has been issued, the patient is referred to the department to which he is received, and upon his arrival at the department, he must once again confirm the identity - by scanning the identification bracelet. By scanning the barcode on the bracelet, the computer automatically opens the medical data and the history of the patient's disease. During the stay at the hospital, the identity of the patient is checked several times at different time levels, and in case of damage to the bracelet or any problem with the bracelet, medical personnel are printing a new identification bracelet. The IN5 company provided support to the Info-Code in the KB Evangeline project. IN5 was in charge of the software part of the project, with Info-code providing support for printing identification bracelets. The software was developed within a month, which included testing the system itself, and the implementation of the system lasted for one day. The system of identification bracelets is expandable because we have expanded the existing Hospital Information System (BIS) to support the functionality of reading and printing identification bar codes for bracelets. The identification bracelet is just one of the products that we design in cooperation with the Info-code.

During our long-term cooperation with the Info-Code, we have developed a number of additional products for identifying patients, reducing the need to manually print patient data, and in cooperation with the Info-Code we have jointly designed a series of solutions that significantly simplify and simplify business processes for health users.

Informatization in healthcare is a dynamic area, it often changes, and new technologies enter the work process. Info Code support is efficient and our cooperation is high quality and very successful, because it is a fast, flexible and quality company that always has excellent support. Together we work on extensions of existing functionalities, and when we develop new software or work processes, we always consult with our colleagues in the Info-Code regarding existing solutions on the market. For Evangeline, the introduction of this system brings a number of advantages, but the most important one, which is also one of the most important goals of this project, is to improve patient safety through faster and easier identification. The possibility of being on a patient, because of the change of identity, the wrong diagnostic-therapeutic procedure or the surgical procedure is reduced to a minimum. Namely, apart from identification bracelets, the identity check process is performed on several levels within the hospital system. Identification bracelets are especially useful when treating a non-conscious patient. If the patient remains unconscious somewhere inside the hospital or outside the hospital, simply identify him. Different colors of the bracelet - white, yellow or red, besides standard identification - show whether they are subject to an allergic reaction or must be isolated. The flow of patients through the hospital is also facilitated when departing from the department, and the administration and medical treatment of the patient is also more efficient because it is easily scanned immediately they get all the necessary patient information. We regularly control the application of the system and talk to the patients. They have a positive attitude because they know what they are, and they are likable because they know it is a rare tool and practice in medical institutions. As far as further development of identification bracelets is concerned, further investment in modernization will continue. One of the goals should be integration with other systems and the introduction of additional features like barcode scanning with smartphones and the integration of so-called tablet computers that will increase the mobility of medical staff at hospital departments.