

Information Sheet no.17/2017  
on the activity of the ICN-**Accredited Centre for ICNP® (International Classification for Nursing Practice)** Research and Development  
at the Medical University of Lodz

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It has been over a year since our last update regarding our activities connected with the implementation of the Classification into nursing practice. A number of things have happened since then. We have moved to a new location and updated our [website](#).

We have also been in the process of implementing Information Technology solutions created at the Medical University of Lodz into the teaching programme, and we have discussed the introduction of electronic documentation for nurses at the level of the [Centre for Healthcare Information System](#). We have also nearly completed the preparation of a list of documents describing the steps nurses have to take on [their path to computerization](#) – both successes and failures. During the International Council of Nurses (ICN) congress in Barcelona, we presented the contribution of Polish nurses in the computerization of health care throughout the world.

Over the year, we have also continued our work supporting the Department of Nursing and Midwifery, i.e. conducting the [pilot testing](#) of electronic documentation. We became members of a team responsible for the [e-Health strategy for Poland](#) and collaborated with the Council for Interoperability, created at the Centre for Healthcare Information System.

In 2017, we also issued many publications regarding the implementation of the ICNP®, and made efforts to introduce a “Computer Science in Nursing” study course into the first-cycle university programme of study. This is in line with the policy of the Ministry of Health, which follows guidelines of [WHO European Strategy for Nursing and Midwifery Education](#), promoting the implementation of the ICNP® into teaching programmes. Thus, since 2013, the Ministry of Health has been [“promoting all activities, aiming at creating an international code of nursing practice and doing its best to put it into practice. The ministry supports the work of the Polish Nurses Association and is provided substantial help by the ICN. \(...\)”](#).

In the last months of 2017, we updated ICNP® catalogues to the most recent version of the translated classification. They can be available upon filling in a special form. The ICN is continuing to work on new catalogues, including one regarding care of adult patients with pain.

Since the last issue of the Bulletin (November 2016), we have held a number of meetings attended by representatives of the centre involved in the implementation of the electronic medical record (EMD). One of which was organized during the Palliative Care Forum, where its participants delivered papers on their experience regarding the implementation of medical records in Nursing and [presented at Medical University application](#). Next, the members of the Chief Council of Nurses and Midwives and the participants of a conference for universities providing Nursing and Midwifery courses organised by the Ministry of Health, were able to become familiarised with the application. The application was presented in a meeting of the Undersecretary of the State of the Ministry of Health with national consultants in the field of Nursing.

In 2016, the Council for e-Health in Nursing adopted strategies for implementing the ICNP® Classification in Poland, which had been evaluated by the Ministry of Health. A meeting on the implementation

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of ICNP® schemes in Poland was held in 2017, at which the Centre members justified the need for ensuring interoperability in Nursing with the use of international standards such as ICNP®. However, implementation of the Classification was withheld until the pilot testing by the Department of Nursing and Midwifery, Ministry of Health, was finished.

In the 2017, we worked in the Chief Council of Nurses and Midwives where we prepared recommendations on urinary [incontinence](#) based on pioneering scientific studies in Nursing. An [attachment](#) to the "Recommendations" detailed the use of ICNP terminology in documenting nursing events. At several national and international conferences, we presented papers on the implementation of electronic medical records, and engaged in joint research with health care entities related to the topic. Representatives of the Centre took part in study visits in Spain, Portugal, Holland and Ireland, among others; during which they observed solutions regarding computerization of nursing, introduced in those countries.

In 2017, the Council for e-Health in Nursing held nine meetings. One of them took place in January and was attended by representatives of the Department of Nursing and Midwifery. During the meeting, **cooperation in the pilot testing of ICNP® was initiated. In subsequent meetings, the council discussed methods of translating the ICNP® version 2017, a working plan for 2017, and suggested changes to the nomenclature regarding nursing documents, i.e. introducing uniform records. The council also started preparations for healthcare plans. In addition, it laid down methods of verifying the "Individual Nursing Care Chart" with the application of the ICNP dictionary. In October 2017, it discussed changes to the "Recommendations" as of 11 September 2013, connected with a project launched by the Ministry of Health. In this issue, cooperation with the Medical University of Lodz appeared to be beneficial. The application prepared by the Medical University of Lodz supports work on changes of the ["Recommendations"](#) and [HL7 CDA](#) standards for nursing documentation.**

Of the many events that happened in 2017, an important one was the creation (August 2017) of the Commercialization Committee at the Medical University of Lodz. The committee is responsible for commercialization of products generated by University employees. Medical University employees created a product, which was later described in a paper, called "System of documentation and support of nursing work ADPIECare Dorothea". Afterwards, the process of product implementation was initiated. The aim was to implement IT solutions into practice.

In the meetings, representatives of the Council for e-Health in Nursing prepared an initial design of templates for care plan standards. Their work resulted in categorization of above 580 diagnoses and selection of diagnoses which were important in terms of their application at wards of Surgery and Internal Medicine. During a meeting, held in December 2017, the Council for e-Health in Nursing discussed [strategies](#) for nursing and it pointed out that health care policy should be open to digitalization of nursing care.

Below, there is a list of the events. You are welcome to get familiar with the activity of the Centre, run in 2017.

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February 2017

The 6<sup>th</sup> Student Scientific and Training Conference was held at the Medical University of Warsaw; **opening lecture, called "ICNP® in Nursing Practice"**.

March 2017

A conference, called **"Innovative solutions for nurses and midwives in the process of EMR"** for managing staff **was held**. A paper, called **"From paper to cloud – interoperability standards in nursing"** was delivered. The second event was a workshop for **nursing management staff**. It was called **"Care planning with the application of the International Classification for Nursing Practice ICNP®"** and held within a conference, called **"Management of nursing care in entities providing health care services – legal conditions and practical challenges"**.

During a conference of the Polish Nurses Association and the Medical University of Warsaw, a lecture was delivered. Its title was: **"Ways to prepare a unit for implementation of ICNP®"**.

The Ministry of Health played host to a **debate** attended by many specialists who were discussing problems of modern nursing, including digitalization in the health care system. The head of the Centre asked not to threaten nurses with **computerization (...)"**.

The application invented at the Medical University of Lodz was presented at the Convention of Deputy Directors and Head Nurses of the Pomerania District.

In April 2017, the Centre for Healthcare Information System was a place of workshops on **IHE interoperability**. On 4 and 5 May 2017, the **22<sup>nd</sup> International Congress of the Centre for Healthcare Information System** was held in Katowice, during which a paper, called **"Polytherapy or polypragmasy in the electronic health record (EHR)"** was delivered. The congress attracted 150 participants and was another event during which a nursing session was held. The head of the Centre was honoured with the title of **Silver Leader of Health Care in Innovation"**.

May 2017

The State Higher School of Technology and Economics in Jarosław was a venue of the **5<sup>th</sup> International Scientific and Training Conference, called "Interdisciplinary aspects of beauty, health and disease"**. The participants of the conference were trying to give an answer to the question: **"How to magnetize the system by applying ICNP® in treatment of the health care system?"** Next, attendees of the **4<sup>th</sup> International Scientific Conference of the Higher School's Pulse**, organized at the Public Higher Medical Professional School in Opole, also participated in workshops on topics such as: nursing care, nursing and midwifery diagnosis as well as the **ICNP® Classification**, being bases for designing nursing care plans.

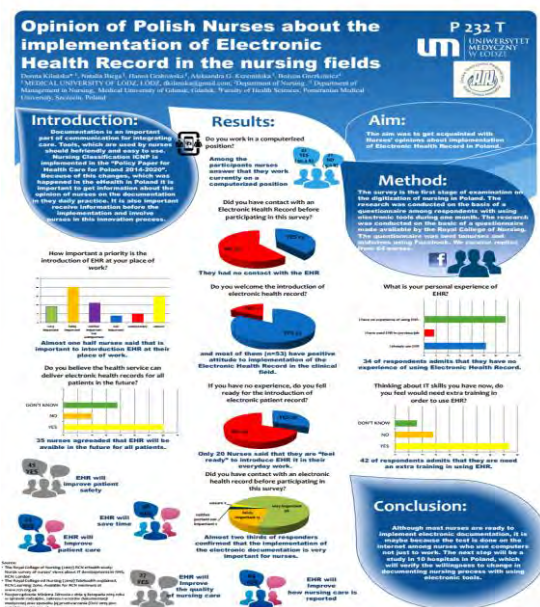
In this month, we initiated a series of training sessions for students, including 18 students of the **State University of Applied Sciences in Plock**, who participated in workshops (26 May 2017), **organized within a project, called "Improving competences of students of the State University of Applied Sciences in Plock, being a response**

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to needs of economy, labour market and society". The project was part of the Operational Programme: Knowledge, Education and Development. The participants were taught to create systematised care plans and electronic records of nursing practice on the base of reference terminology as well as creating catalogues (uniform groups of nursing diagnoses) with the application of the **ICNP®** Classification for the purpose of EHR. The students had an opportunity to use the application invented at the Medical University of Lodz for planning care and creating care plans; 104 care plans were created.

On 29 May and 30 May, an important nursing event was held. The International Council of Nurses organized a [congress in Barcelona](#). Representatives of the ICN-Accredited Centre for ICNP® Research and Development delivered a paper regarding the possibility of implementing the ICNP® Classification into nursing practice in Poland and presented posters bearing opinions of Polish nurses on implementation of EMD into nursing fields and the current stage of ICNP implementation, as an element of Information and Communication Technology (ICT) in Poland.

Nurses all around the world got truly interested in the presented work. During a meeting of the ICNP® Consortium, 14 centres promoting and developing the ICNP® Classification presented reports from their activity. The participants of the meeting also presented a new ICNP version, i.e. V.2017, already translated into Italian. The Polish version of the ICNP Classification will be prepared in the Centre for Healthcare Information System with the help of the Council for e-Health in Nursing.



June 2017

Students of the Medical University of Lodz, the Faculty of Health Sciences, of the field of Nursing defended their Bachelor's theses, written with the use of IT application, invented at the Medical University of Lodz, which allows to take the patient's medical history in compliance with technical interoperability standard – HL7 CDA, create care plans, which can be done with the use of semantic interoperability standard – the ICNP® dictionary.





July 2017

The Medical University of Lodz was a venue of a training session on the system supporting the work of nursing documentation ADPIECare Dorothea, organized for employees of the Division of Nursing and Midwifery. The aim of the training was to get the employees familiar with the computer application, which was introduced into the teaching programme on 1 October.

The Medical University of Lodz is the first university in Poland which applied IT tools to provide nursing care in compliance with interoperability standards. We also initiated work over interoperability of a medical history chart and on evaluation of **the patient's health status** by mapping terms, found in ICNP and SNOMED – CT forms.



September 2017

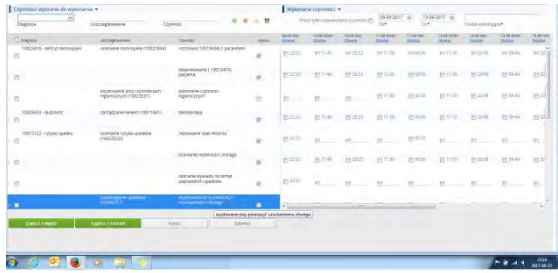
The Mazovia Regional Hospital in Siedlce was a venue of a training conference, organized on 14 September 2017 and called ["A healthy and sick man – challenges of health promotion"](#). The Head of the the ICN-Accredited Centre for ICNP® Research and Development delivered a lecture **"Tools supporting adherence to therapeutic recommendations"**, in which she presented initial results of studies, carried out at the Medical University of Lodz, regarding the practical application of electronic documentation.

On 14 and 15 of September 2017, [the 2<sup>nd</sup> e-Health Forum](#) took place. Its participants discussed the issue of integrated care of a patient. A lecture on providing nursing coordinated care was delivered.

In the same month, we also had an opportunity to visit a hospital which signed a cooperation agreement with our Centre. Nurses from the F. Ceynowa Specialist Hospital – Pomeranian Hospitals Ltd. have been using the 2015 version of the ICNP dictionary

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while planning their care in the computer system.



containing results of studies, conducted in health care entities in Poland, was held.

Centre representatives worked intensively (October – December) on preparing “The e-Health Strategy for Poland, for 2018 – 2022”. The document was issued on 22 December 2017.

[The Latvian Nurses Association organized a congress in Riga.](#) It was held from 21 to 23 of September. During the congress, a paper on evidence-based nursing practice and application of an IT solution, i.e. an application used for recording medical events in nursing, was delivered.



Kongres Łódź, wrzesień 2017 r.

In 2017, a few non-serial publications and articles on implementing the ICNP Classification into practice came out in scientific journals. We recommend some of them:

**“Nursing in palliative care”**: scientific editors: Krystyna de Walden-Gałaszko and Anna Kaptacz. One chapter is devoted to the idea of palliative care and gives care plans, created with the application of the International Classification for Nursing Practice (ICNP®);

**“Basics of Nursing. Vol. 1: Conceptual and Empirical Principles of Nursing Care”**: scientific editors: D. Zarzycka, B. Ślusarska. The authors presented the application of the ICNP Classification in nursing practice. According to guidelines of the International Council of Nurses, there are five stages of the nursing care process. They include: assessment, diagnosis, planning of intervention, implementation and evaluation;

October 2017

Between 9 and 10 of October, the Chief Council of Nurses and Midwives organized the International Scientific Conference, called **“Nursing in Poland, Europe and the world”**. The Head of the the ICN-Accredited Centre for ICNP® Research and Development delivered two papers: “E-nurse in health care” [and “Electronic record in nursing practice”](#).

In this month, a defence exam of a **Master’s thesis on** electronic nursing record,

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**"Helping the non-independent.** Problems of chronically ill and disabled patients as challenges for long-term care"; scientific editors: B. Majchrowicz, K. Tomaszewska. Publication of a chapter, called "Trends in development of nursing field. Basics and challenges of electronic nursing record";

**"E-health. Introduction to Informatics in Nursing"**, scientific editors of the book: D. Kilańska, H. Grabowska, A. Gaworska-Krzemińska;

Article: **"Care planning process according to international standards (ICNP®) in primary health care. A case study of a colorectal cancer patient"**; authors: D. Kilańska, A. Magdziarz, K. Okrojek, W. Lutek, P. Kowalska, A. Karolczak; Problems of Nursing 2017; 25(2): 131 – 137;

Article: **"Catalogue of care plans for a patient with Parkinson's disease, created with the use of the International Classification for Nursing Practice – ICNP®. Evaluation"**, authors: D. Kilańska, B. Librowska, A. Karolczak; Problems of Nursing 2017; 25(2): 82 – 87;

Article: **"Electronic health record in nurses' opinion. Implications for teaching – use of IT tools in teaching ICNP®"**; authors: D. Kilańska; Problems of Nursing 2017; 25(2): 69 – 76;

Article in English: **"Standard terminology for nursing"**; authors: C. C. Bartz, T.Y. Kim, D. Kilańska; Problems of Nursing 2017; 25(2): 108 – 111;

Articles in a series, called: **"Nursing practice and ICNP®"**, published in a journal, called *Analysis of Cases in Nursing and Midwifery*, since 2014. The published articles are in a file on the website of the ICN-Accredited Centre for ICNP® Research and Development at the Medical University of Lodz.

As it was previously mentioned in the introduction part, Polish versions of the following catalogues: "ICNP®: Environmental nursing", "Result indicators of nursing care according to C-HOBIC" and "Adherence to therapeutic recommendations (...)" are available upon filling in [a form](#), placed on the website of our centre.

Referring to the above information and numerous questions regarding the topic of publications, I would like to comment on various articles on the application of the ICNP Classification in initiating nursing interventions, published by many authors. Some of the authors confuse the terminology and improperly define particular parts of the dictionary. I would also like to point out that the ICN-Accredited Centre for ICNP® Research and Development will help to clarify inconsistencies prior to publication.

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ADDITIONAL INFORMATION:

[Information on the activity of the Centre](#)

[Information – E-Health bulletins – on the website of the International Council of Nurses](#)

Information from ICN – [available here](#)

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