

**Session 2.1**  
**Clinical Track**

**Abstract Title:**

Electronic Supported Nursing Documentation Based on NANDA Taxonomy

**Presenter:**

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**Intended Audiences:**

Educators, Clinicians, Informaticists, Administrators

**Areas of Focus:**

Informatics, Use in Practice, Use in Education, Linking or Integrating Nursing Language

**Research Format:**

For Non-Research Reports

**TOPIC:** The NANDA International (I) conference in Philadelphia 2006 had the title "NNN: Electronic use of nursing clinical data." After this conference, which included no electronic nursing documentation system, the idea was born to develop and implement an electronic nursing documentation system, which depends on the NANDA International diagnoses. The system meets the criteria described below, works in the praxis, and will be shown at the next NANDA-I conference 2008.

**BACKGROUND:** Development, testing and implementation of a systematic structured electronic nursing documentation, based on actual requirements and scientific nursing knowledge with use of the NANDA International taxonomy.

The electronic nursing documentation system meets the following criteria:

1. The assessment tool (AT) represents the nursing body of knowledge
2. The assessment tool connects all nursing data in an intelligent manner
3. The tool guides nurses through the standardized nursing assessment to capture the relevant patient information. The system automatically captures nursing relevant topics and highlights them.
4. Automatic suggests several NANDA-I nursing diagnoses, related to the assessment (hypothetic step)
5. Guides the user through the PES (problem, etiology, symptom) format
6. Offers nursing outcomes related to the problem
7. Presents nursing interventions related to the etiology (part of the PES format)
8. Builds and draws the individual nursing plan
9. The nursing plan reminds nurses to evaluate patient outcomes
10. There are no redundancies
11. The documentation is time saving / quality enhancement
12. All nursing data are available for every nurse on the ward
13. Interdisciplinary use special for the prescriptions

**DESCRIPTION:** The development, testing and implementation are done on the base of management development processes. The project is controlled by the health informatics of the Kanton Solothurn (state of Switzerland). This project was based on the three principals of nursing science/nursing informatics, testing on pilot wards and control organs.

**CONCLUSIONS:** The electronic nursing documentation system shows useful results in the nursing praxis. The nurses are guided through the nursing process, which is based on nursing scientific criteria. One point is very important: if the nurses are not educated in the nursing diagnostic process the electronic system will not show positive effects. The process of developing still goes on, because the experience from the praxis lead to new results and better understand of the ongoing process.

## Citations:

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