

ASSOCIATION FOR COMMON EUROPEAN NURSING
DIAGNOSES, INTERVENTIONS AND OUTCOMES



A C E N D I O

ACENDIO 2007

6th European Conference of Acendio

Nursing Communication in Multidisciplinary Practice
Pflegerische Kommunikation und multidisziplinäre Praxis
Communication infirmière et pratique multidisciplinaire

.....
Oud Consultancy

ACENDIO 2007

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Proceedings of the 6th biennial European Conference of the Association for Common European Nursing Diagnoses, Interventions and Outcomes held in Amsterdam, the Netherlands

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Foreword

The book that you have in your hand is the proceedings of the 6th ACENDIO conference, this time held in Amsterdam. The Association for Common European Nursing Diagnoses, Interventions and Outcomes is a membership organisation that was established in 1995 to promote the development of nursing's professional language and provide a network across Europe for nurses interested in the development of common terminology to describe the practice of nursing.

I am convinced that healthcare will gain from ICT being applied to areas such as patient care, administration, education and research by enabling the synthesis of evidence, provision of guidelines for practice, providing information for consumers via the Internet and the development of decision support systems for use in close connection to patient care.

ACENDIO has, for more than ten years now, in many ways promoted and facilitated this work in nursing through the provision of conferences, seminars and workshops, as well as via its newsletters and website (www.acendio.net). It is therefore a great pleasure to present this book to you.

The content is a mirror of the current situation primarily in Europe, but also to some extent internationally. This book will provide you with an understanding of our position today and from this you may ponder the huge development that has taken place since the beginning of ACENDIO.

The theme of this meeting "Nursing Communication in Multidisciplinary Practice" has been carefully chosen by the board and the scientific committee as an area of crucial importance to our time, to challenge your thinking and to stimulate further development in this area of nursing. It is an impressive body of knowledge as confirmed by the papers in this book.

Many people have been involved in the work of ACENDIO during the years, and most recently in the compilation of this book and preparing for this conference. Most of them are giving of their time and efforts on a voluntary basis using a lot of their spare time. They are all devoted to the utmost idea of providing a better care for the patients by using the existing knowledge paired with the best technology. They all have my deepest respect and reverence and it is an honour for me to count them among my friends.

Let this conference and the content of this book be a challenge for you all to increase your participation in the shaping of our common future!

Örebro, April 2007

Professor Margareta Ehnfors
President of ACENDIO
University of Örebro, Sweden

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Summary

Six years of preparation have yielded a new Belgian Minimum Data Set as a base for substantive applications in the fields of nurse staffing, the use of appropriateness evaluation protocols, the refinement of financing of nursing care and outcome and events research to investigate quality of care. This implied a nationwide involvement of numerous healthcare institutions, in collaboration with government and multiple centres of research. Now the data set is ready for use, although a continuous innovation process is envisioned. In 2007 NMDSII will be implemented in all Belgian general hospitals. Practical issues are being considered with regard to the renewed data collection process, such as the redistribution of coding responsibility and the extraction of NMDSII from patient records. The final Belgian NMDSII development results and implementation experiences are described.

Background

The Ministry of Public Health commissioned a research project to revise the Belgian Nursing Minimum Dataset (B-NMDS) for six care programmes (cardiology, oncology, geriatrics, chronic care, paediatrics and intensive care). Starting from 2000 a structured framework was used to guide the NMDSII development. This directed a broad set of consecutive phases. The conceptual grounding during the first phase gave way to language development based on the Nursing Interventions Classification in 2003. Afterwards an alpha version of the NMDS was developed, which was pilot tested on 158 nursing wards in 66 hospitals. Interrater-reliability and criterion validity were investigated.

Study objective

After pilot testing the data set could be optimized, taking into account the potential applications of NMDS. A complement module of personnel data registration also had to be devised. Another objective of the final research phase was the design of the practical NMDS collection, analysis en feedback model. Finally, the implementation process itself needed to be prepared in terms of redesign of hospital information systems and education of nationwide involved people and institutions.

Methodology

A combination of multidimensional statistical analysis (CATPCA) and NMDS expert feedback resulted in the beta version of NMDS in 2004. The focus was extended to include maternity and neonatal wards. During 2005 the registration of personnel data was revised to facilitate potential staffing applications. The scheduling of data collection is simulated using multiple scenarios. Practical modalities are specified to ensure optimal registration in all sorts of clinical and operational situations in the complex hospital environment. Inherent data controls and auditing possibilities are investigated. A first proposal of feedback of information output towards hospital management is considered. In 2006 continuous communication between all involved parties gave way to final refinements of NMDSII.

Results

The final Belgian NMDSII is the end result of the described roadmap. The return of these efforts will be realized during the years to come. Together with the first experiences in the implementation process, the renewed NMDS can give lead to inspiration for development initiatives abroad.

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