

# The NIC/NOC Letter

A PUBLICATION OF UI COLLEGE OF NURSING Center for Nursing Classification & Clinical Effectiveness  
Volume 13 No. 2, Spring 2006



college of  
Nursing

## Tenth Anniversary of the Center

**How quickly time flies! The Center for Nursing Classification was approved by the Iowa** Board of Regents in December 1995 making it the first Regents approved center in the College of Nursing. The Center was established under the leadership of Dr. Joanne McCloskey Dochterman to facilitate the ongoing research and implementation of NIC and NOC. The College of Nursing dedicated space to the Center in February 1998.

In 2002 the Center for Nursing Classification expanded its name to Center for Nursing Classification and Clinical Effectiveness to better reflect the current work of the center. The work of the Center still attracts visitors from all over the globe, and students in a variety of programs participate in the ongoing research and development of these classifications. Executive board members and fellows have presented the work of the Center over the years at numerous national and international conferences, including those in Australia, Brazil, Canada, Denmark, England, France, Iceland, Ireland, Italy, Japan, Korea, the Netherlands, Slovenia, Spain, Switzerland, and Turkey.

In this issue...

New publications, page 2

Next editions, page 3

History, page 7

## Philadelphia Hosts NNN Conference 2006

The 3rd international NANDA NIC and NOC conference, Electronic Use of Clinical Nursing Data, was held March 15-18, 2006 at the Hyatt Regency Penn's Landing in Philadelphia, PA. This setting along the river in the historic district of the city allowed for trips to see local sights including the Liberty Bell and Independence Hall. The conference highlighted the research, education, and practice initiatives related to NANDA, NIC, and NOC, and provided opportunities for language developers, vendors, and users to network and exchange ideas.

*Continued on page 8 . . .*

### Making Quality Care Visible

NIC (Nursing Interventions Classification) and NOC (Nursing Outcomes Classification) are standardized languages that describe the treatments nurses perform and patient outcomes sensitive to these treatments. The Classifications are useful in planning and documenting care, in communicating the essence of nursing to others, and in the development of large databases for research on the effectiveness of nursing care. The research to develop the Classifications is facilitated by the Center for Nursing Classification and Clinical Effectiveness at the UI College of Nursing. This newsletter provides current information about the Classifications.

## New Publications

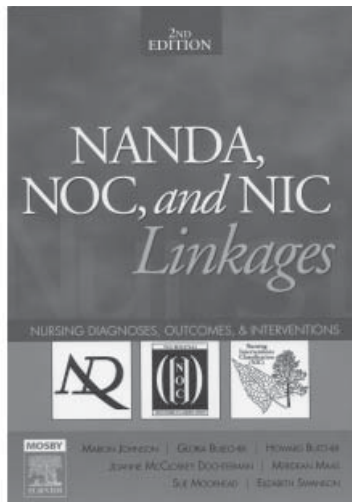
Titler, M., Dochterman, J., Picone, D. M., Everett, L., Xie, X., Kanak, M. & Fei, Q. (2005). Cost of hospital care for elderly at risk of falling, *Nursing Economics*, 23 (6), 290-306.

**Brief Summary:** Using the Nursing Interventions Classification (NIC) data captured in an electronic documentation system, the authors analyzed the effects of staffing, and medical, pharmacy and nursing treatments on overall hospital cost. For each 20 percent decline in staffing below average, the median cost of care increased by over \$1,178. The nursing interventions of fall prevention, pressure ulcer care, teaching, health screening, and medication management were associated with less cost if done more often.

**The 2nd edition of NANDA, NOC, and NIC linkages:** *Nursing Diagnoses, Outcomes, & Interventions* is now available. The second edition title was changed to reflect the focus of the book. This one-of-a-kind reference links the NANDA diagnoses to the NOC outcome labels and three levels of interventions in user-friendly tables. The format quickly identifies which are diagnoses, outcomes, and interventions.

Included in the book are the current definitions for the labels

of all three standardized nursing languages, as well as a number of case studies which illustrate the



use of the languages in clinical practice and educational settings. The case studies are useful for nurses in developing care plans for patients, and for institutions in tracking and quantifying nursing care. The publication is authored by Marion Johnson, Gloria Bulechek, Howard Butcher, Joanne McCloskey Dochterman, Meridean Maas, Sue Moorhead, and Elizabeth Swanson. Available from Elsevier Health Science at 1-800-545-2522 or <http://www.us.elsevierhealth.com/product.jsp?isbn=0323031943>. ISBN # 0323031943.

## Fundraising Event

The 2nd Annual Annette Scheffel Memorial Fundraising Event to benefit the Center for Nursing Classification & Clinical Effectiveness was held December 2 at the University Athletic Club in Iowa City. Annette Scheffel, a

retired tenured faculty member at The University of Iowa, died peacefully May 1, 2004 at her home. This event is organized to continue Annette's support for the Center.

The reception, sponsored by Dean Melanie Dreher and former Dean Geraldine Felton of the



College of Nursing, featured both live and silent auctions of more than 100 items. Annette's sister Ruth Hemming and her husband also gave generous gifts and support. Perle Slavik Cowen, a fellow of the Center, organized the event. Thank you to everyone who made it a success. Annette would have approved of every detail.

## Japanese Nursing Diagnosis Conference

Dr. Martha Craft-Rosenberg, president of NANDA, and Dr. Sue Moorhead were keynote presenters at the 11th annual JSND conference held in Yokohama, Japan July 1-3, 2005. More than 2,000 nurses attended.

NANDA presentations focused on “NANDA International-Current and Future Trends” and “Exploring the Applicability of NANDA, NIC and NOC in Japan.” Sue Moorhead presented an overview of NIC titled “Terminology to Describe Nursing Treatments” and a NOC presentation, “Measuring the Contributions of Nurses Using the Nursing Outcomes Classification.”

Noriko Abe, a doctoral student at the UI College of Nursing, attended the conference while visiting her parents and made the trip a special memory for us.

## Interest in NOC Highlights Language Conference in France

Dr. Sue Moorhead was a keynote speaker at the AFEDI (Association Francophone Europeene des Diagnostiques, Interventions et Resultants Infirmiers) conference in Bordeaux, France held November 17-19, 2005.

She presented an overview of the Nursing Outcomes Classification at a workshop focused on using NOC in clinical practice. Case studies from the new linkage book provided opportunities for attendees to use NANDA, NIC and NOC firsthand. The discussion was lively and fun, and highlighted the differences in practice roles of nurses around the globe.

Interest in using NOC in France is increasing, and this conference provided a mechanism for nurses in Europe to discuss the best ways to meet this challenge.

## Translations

NIC, NOC, and the Linkage book have been translated into 10 languages including Chinese, Dutch, French, German, Italian, Japanese, Korean, Portuguese, and Spanish.

## Save the Date

The 2007 Institute on Nursing Informatics and Classification will be held at The University of Iowa, College of Nursing June 11, 12 and 13, 2007.

## Next Editions of NIC & NOC

We are in the process of planning for the 5th edition of NIC and 4th edition of NOC with a projected publication date of 2008. The editors for NIC will be Gloria Bulechek, Howard Butcher, and Joanne Dochterman; and for NOC, Sue Moorhead, Marion Johnson, Meridean Maas, and Elizabeth Swanson.

We are interested in feedback and submission of interventions and outcomes for review and potential publication. The guidelines for submission are on page 970 in the NIC book and page 827 in the NOC book.

NIC has implemented a system of peer review to update interventions and is soliciting additional reviewers. Please contact Sharon Sweeney for more information (sharon-sweeney@uiowa.edu or 319-335-7051).

## Consulting Services Available

The developers of NIC and NOC offer consulting services related to the classifications on the following topics: implementation basics; designing computer screens, care plans, and expert rules; education for users; database design and effectiveness research; and other topics identified as needed. Services can be delivered via email, phone correspondence, polycom or web conferencing, or face to face meeting.

Fees are based on the nature and type of consultation and time expended. Part of the fee will be returned to the Center to assist with ongoing development and refinement of the classifications. Contact us at The University of Iowa College of Nursing (319-335-7051 or email: classification-center@uiowa.edu)

## Donor Recognition Recent Gifts

We thank the following individuals who have contributed to the Center for Nursing Classification and Clinical Effectiveness.

Aero Rental, Iowa City, IA  
Suzanne Ammerman, River Falls, WI  
Ida Androwich, Riverside, IL  
Myrtle Aydelotte, Rochester, NY  
Suzanne Bakken, New York, NY  
Sandra Bellinger, Moline, IL  
Jennifer Hemming Bird, Spring, TX  
Veronica Brighton, Iowa City, IA  
Jane & David Brokel, Waterford, MI  
Kathleen Buckwalter, Iowa City, IA, in memory of  
Mr. William J. Coen  
Jim & Gloria Bulechek, Solon, IA  
Marianne Smith and Ken Burns, Iowa City, IA  
Howard Butcher, Iowa City, IA  
Joan Myers Buxton, Iowa City, IA  
Catherine's, Iowa City, IA  
Chameleon Cache LLC, Erin Mullins, Coralville, IA  
Kathy Clark, Iowa City, IA  
Teresa Clark, Coralville, IA  
Mary Clarke, Davenport, IA, in memory of Ms.  
Lorraine Clarke  
Patricia Clinton, Iowa City, IA  
Judy Collins, Davenport, IA  
Tawna Cooksey-James, Iowa City, IA  
Perle Slavik Cowen, Iowa City, IA  
Martha Craft-Rosenberg, Iowa City, IA  
Albert & Ellen Cram, Iowa City, IA  
Carolyn Crowell, Iowa City, IA  
Laura Cullen, Iowa City, IA  
Toni DeRyke, Iowa City, IA  
Joanne Dochterman, Swisher, IA  
Patricia Donahue, North Liberty, IA  
Jo Eland, Iowa City, IA  
Ann English, Chatham, NJ  
Carol Ann Flack, West Branch, IA  
Dave & Rita Frantz, Iowa City, IA  
Robin Galloway, Rockwell, IA  
Mari Greb, Iowa City, IA

Karen & Dan Griffith, Iowa City, IA  
Colleen Goode, Westminster, CO  
Geri Hall, Iowa City, IA  
HEBE Boutique, Coralville, IA  
Phyllis Heffron, Ames, IA, in memory of Ms. Jean  
Marie King  
Ruth (Scheffel) Hemming, Spring, TX  
Keela Herr, Solon, IA  
Paul & Lois Hoskins, Ashton, MD  
HyVee, Iowa City, IA  
Iowa Artisans Gallery, Iowa City, IA  
Lori Jarmon, Coralville, IA  
Andy Jenkins, West Branch, IA  
Cel Jennewein, Minneapolis, MN  
Marion Johnson, Coralville, IA  
Mary Johnson, Durango, IA, in honor of Dr. Gloria  
Bulechek  
Carole Johnson, Lake Bluff, IL  
Lisa Skemp Kelley, Iowa City, IA  
Charmaine Kleiber, Iowa City, IA  
Darcy Koehn, Iowa City, IA  
Frank Kohout, Iowa City, IA  
Louise Kruse, Iowa City, IA  
Linda Laiti, Shoreview, MN  
Meridean & Richard Maas, Iowa City, IA, in  
memory of Professor Lavonne Ruther  
Nicki Markovetz, Iowa City, IA  
Ann Marie McCarthy, Iowa City, IA  
Eleanor McClelland, Iowa City, IA  
Debra McFall-Wallerich, Iowa City, IA  
Sue & Don Moorhead, Davenport, IA  
Mary Moorhouse, Colorado Springs, CO  
Linda Myers, Iowa City, IA  
Jean M. Ohlen, Blain, IA  
Our Redeemer Lutheran Church Choir, Iowa City, IA  
Carol Pinkham, Iowa City, IA  
Prairie Table - Ronald Gleitman, Iowa City, IA  
Barb Rakel, Iowa City, IA  
Margaret Rankin, Iowa City, IA  
David Reed, Iowa City, IA  
Mary Rettig, Middle Amana, IA  
Ann Rhodes, Iowa City, IA  
LaVonne Ruther, Iowa City, IA  
Cindy Scherb, Kiester, MN  
Larry & Casey Schumacher, Andover, KS

J.P. "Connie" Smith, Iowa City, IA  
Hope Solomon, Iowa City, IA  
Janet Specht, Iowa City, IA  
Mary Stewart, Iowa City, IA  
Elizabeth Swanson, Iowa City, IA, in memory of  
Professor Annette Scheffel  
Jim & Sue Sweeney, Iowa City, IA  
Sharon Sweeney, Iowa City, IA  
Mary Tarbox, Cedar Rapids, IA  
Janette Y. Taylor, Iowa City, IA  
Sheryl Miller Thomas, Marshalltown, IA  
Patricia Tripoli, Chittenango, NY  
Helen Van Huzen, Muscatine, IA  
Deb Vogt, Iowa City, IA  
Amy Walker, Longwood, FL, in honor of Charlotte  
Weaver  
Carol Watson, Iowa City, IA  
Kathy Wegman, Iowa City, IA  
Judith Wilkinson, Shawnee Mission, KS  
Pamela Willard, Iowa City, IA  
Janet Williams, Solon, IA  
Zender's Salon & Spa - Donna Zender, Iowa City, IA

For information about how to make a gift to the UI Center for Nursing Classification and Clinical Effectiveness, contact Mary Rettig, director of development for the University of Iowa College of Nursing at 319-335-3305 or at [mary-rettig@uiowa.edu](mailto:mary-rettig@uiowa.edu). You may go directly to our online giving page at [www.givetoioowa.org/nursing](http://www.givetoioowa.org/nursing) if you would like to make an immediate gift to the Center.

## NIC/NOC Letter

The NIC/NOC Letter, is sponsored by Elsevier Health Sciences and published two times yearly. The newsletter is currently mailed to more than 1,600 individuals in 50 states plus Washington, DC, and Guam. It is also sent electronically to those in other countries, as requested.

### Contact Us

Sue Moorhead, Director  
Sharon Sweeney, Coordinator  
Center for Nursing Classification & Clinical Effectiveness  
The University of Iowa  
College of Nursing 407NB  
Iowa City, IA 52242  
319-335-7051; fax 319-335-9990  
[classification-center@uiowa.edu](mailto:classification-center@uiowa.edu)  
<http://www.nursing.uiowa.edu/cnc>

### Submissions Welcome

Please send submissions via e-mail. Indicate who is submitting the contribution, title, credentials, and how to contact you for further information. Sharing of information assists all of us in the continued use and development of the classifications. All contributions will be reviewed and possibly edited by newsletter staff.

### Elsevier Contacts

Barbara Cullen, Executive Publisher  
215-239-3629

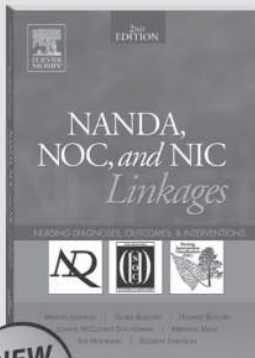
Permissions: Health Permissions  
(800) 523-1649, ext. 3804  
[healthpermissions@elsevier.com](mailto:healthpermissions@elsevier.com)  
Permission takes 4-6 weeks to process

Licenses: Karen Delany, 215-239-3278,  
[k.delany@elsevier.com](mailto:k.delany@elsevier.com)  
or Michael Wisniewski, 215-239-3275,  
[m.wisniewski@elsevier.com](mailto:m.wisniewski@elsevier.com)

Translations: Jake Scott, [jsco@voicenet.com](mailto:jsco@voicenet.com)  
Marketing: Andrew Eilers, 314-453-4858,  
[a.eilers@elsevier.com](mailto:a.eilers@elsevier.com),



# Get the book that unifies the languages of nursing!



**NEW Edition!**

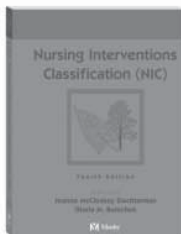
## **NANDA, NOC, and NIC Linkages: Nursing Diagnoses, Outcomes, & Interventions, 2nd Edition**

*By Marion Johnson, RN, PhD; Gloria Bulechek, RN, PhD, FAAN; Howard Butcher, RN, PhD, APRN, BC; Joanne McCloskey Dochterman, RN, PhD, FAAN; Meridean Maas, RN, PhD, FAAN; Sue Moorhead, RN, PhD; and Elizabeth Swanson, RN, PhD*  
November 2005 • 704 pp. • ISBN: 0-323-03194-3

Based on years of research at the University of Iowa, this one-of-a-kind reference provides linkages between three standardized languages recognized by the American Nurses Organization: NANDA, Nursing Interventions Classification (NIC), and Nursing Outcomes Classification (NOC). This book is a valuable tool for nurses in developing care plans for patients, and for institutions in tracking and quantifying nursing care.

- ▶ **Links all of the NANDA-approved nursing diagnoses to outcome labels and three levels of suggested interventions:**
  - Major
  - Suggested
  - Optional
- ▶ **Uses easy-access, user-friendly tables to show terminology and criteria.**
- ▶ **Presents case studies along with nursing care plans to demonstrate the application of linkages.**
- ▶ **Defines all NANDA, NOC, and NIC labels.**

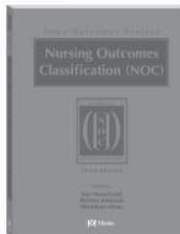
*An excellent companion to the latest editions of NIC and NOC!*



### **Nursing Interventions Classification (NIC), 4th Edition**

*By Joanne McCloskey Dochterman, PhD, RN, FAAN; and Gloria M. Bulechek, PhD, RN, FAAN*  
2004 • 1,104 pp., illustd.  
ISBN: 0-323-02392-4

Includes 514 nursing interventions labels, including 29 newly approved, with estimated times for performing interventions plus required education levels.



### **Nursing Outcomes Classification (NOC), 3rd Edition**

*By Sue Moorhead, PhD, RN; Marion Johnson, PhD, RN; and Meridean Maas, PhD, RN, FAAN*  
2004 • 896 pp.  
ISBN: 0-323-02391-6

Provides 330 research-based outcome labels standardizing expected patient outcomes that result from nursing interventions, with 76 newly approved.

## **Order your copies now!**

- ▶ Online at [www.elsevierhealth.com](http://www.elsevierhealth.com)
- ▶ Call 1-800-545-2522 and mention DM# 83552

**MOSBY**



## Key Events in the First 10 years of the CNC

- 1995 Center for Nursing Classification (CNC) at the University of Iowa is approved (December 13) by the Iowa Board of Regents (without funding) to facilitate the ongoing research and implementation of Nursing Interventions Classification (NIC) and Nursing Outcomes Classification (NOC). A fundraising advisory board for the Center is established and members appointed.
- 1996 The NIC, 2nd edition is published by Mosby.
- 1997 First edition of NOC is published by Mosby. The NIC Letter becomes The NIC/NOC Letter.
- 1998 The CNC receives 3 years of support from the College of Nursing (1998-2001), and is allocated space on the fourth floor of the College of Nursing. Joanne McCloskey appointed director.
- 2000 The NIC, 3rd edition and the NOC, 2nd edition is published by Mosby.
- 2001 The first edition of Nursing Diagnoses, Outcomes, Interventions: NANDA, NOC, and NIC Linkages authored by the NIC and NOC PIs, is published by Mosby. An NNN Invitational Common Structure Conference is funded by the National Library of Medicine (Joanne Dochterman and Dorothy Jones, PIs) and held in Utica, IL. NIC and NOC are registered in Health Level Seven (HL7). The CNC receives 3 years of support from University of Iowa central administrative offices.
- 2002 The Center for Nursing Classification expands its name to Center for Nursing Classification and Clinical Effectiveness (CNCCE); its endowment reaches \$600,000. The position of center fellow is established (to assist in the ongoing development of NIC and NOC) and about 30 people are appointed for 3-year terms.
- 2003 NANDA, NIC, NOC software program based on linkage book Nursing Diagnoses, Outcomes, and Interventions: NANDA, NOC and NIC Linkages—CD-ROM produced by Mosby. The CNCCE receives the Sigma Theta Tau Board of Director's Award in recognition of established excellence in integrating knowledge and clinical experience to achieve exemplary practice. Elizabeth Swanson and Howard Butcher join the CNCCE Executive Board.
- 2004 The 4th edition NIC, 4th edition and the 3rd edition NOC are published by Mosby. Joanne McCloskey Dochterman retires as director of the Center and Sue Moorhead is appointed director effective July 1, 2004.
- 2005 Center fellows re-appointed for 3-year terms beginning July 1. Additional fellows were nominated and appointed. The 2nd edition, NANDA, NOC, NIC Linkages: Nursing Diagnoses, Outcomes and Interventions is published by Mosby.

*(NNN Conference - continued from page 1)*

Wednesday evening, March 15, featured an Around the World NNN reception. Nurses from Andorra, Austria, Bavaria, Belgium, Brazil, Denmark, England, Germany, Ireland, Japan, Korea, Lebanon, Norway, Slovenia, Spain, Sweden, Switzerland, and Wales helped make this event truly international. Nurses from the U.S. came from more than 30 different states, including Hawaii.

*Join a community that embraces all people and supports our University's commitment to providing a scholarly, international, and caring academic environment.*

## THE UNIVERSITY OF IOWA

The University of Iowa prohibits discrimination in employment, educational programs, and activities on the basis of race, national origin, color, creed, religion, sex, age, disability, veteran status, sexual orientation, gender identity, or associational preference. The University also affirms its commitment to providing equal opportunities and equal access to University facilities. For additional information contact the Office of Equal Opportunity and Diversity, (319) 335-0705.

Keynote speakers and their presentations included Nancy Stagers, Electronic Health Records; Optimizing E-Nursing Data; Marita Titler, Use of Standardized Languages for Outcomes Effectiveness Research; and Patricia Stone, Economic Evaluations and Usefulness of Standardized Nursing Terminologies. Approximately 70 papers and more than 30 posters were presented related to standardized languages. It was an excellent opportunity to network and share experiences about implementing NNN in practice, education, and research.

Both a live auction and a silent auction were conducted to benefit the foundations of NANDA-I and the Center for Nursing Classification and Clinical Effectiveness.

This evening event celebrated St. Patrick's Day in true Irish flair including corned beef and cabbage.

### Help us reduce paper use

Want to switch to an electronic version? To receive e-mail notification when the NIC/NOC Letter is posted on our website, send your e-mail address along with your postal address (this will cancel your mailed newsletter) to [sharon-sweeney@uiowa.edu](mailto:sharon-sweeney@uiowa.edu). Thanks for your help!

## THE UNIVERSITY OF IOWA

College of Nursing  
101 Nursing Building  
50 Newton Road  
Iowa City IA 52242-1121

NON-PROFIT ORGANIZATION  
U.S. POSTAGE  
PAID  
Permit No. 45  
Iowa City IA