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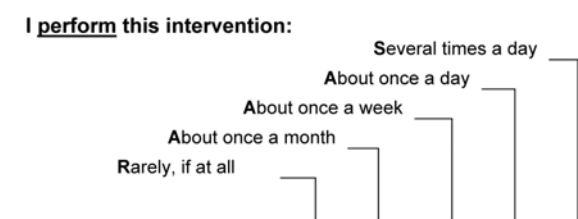
To receive a free subscription to the *NIC/NOC Letter* please send your postal address for paper copy or your e-mail address for electronic copy to [sharon-sweeney@uiowa.edu](mailto:sharon-sweeney@uiowa.edu).

We are now offering an e-mail notification when the *NIC/NOC Letter* is on our website. Receiving a paper copy and want an electronic copy instead? Please 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!

## NIC AND NOC USE SURVEY UPDATED

You may now purchase a NIC Use Survey and NOC Use Survey that includes all the new interventions and outcomes in the new 2004 editions. The use survey makes it easy to survey staff nurses and others about how frequently they use NIC interventions and NOC outcomes. This information can then be used to identify those interventions that should be included on unit and agency computers and those that can be omitted. Each survey is formatted as an 8.5 x11 inch document. They are available for \$25 (one fee for both) on a 3.5" disk (IBM format) as Microsoft Word for Windows documents. The electronic version facilitates construction of similar questionnaires. Contact [sharon-sweeney@uiowa.edu](mailto:sharon-sweeney@uiowa.edu), if interested. A sample from each survey follows:

Example from the NIC Use Survey



### Communication Enhancement

279. <b>ACTIVE LISTENING</b> - Attending closely to and attaching significance to a patient's verbal and nonverbal messages	279.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
280. <b>COMMUNICATION ENHANCEMENT: HEARING DEFICIT</b> - Assistance in accepting and learning alternate methods for living with diminished hearing	280.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
281. <b>COMMUNICATION ENHANCEMENT: SPEECH DEFICIT</b> - Assistance in accepting and learning alternate methods for living with impaired speech	281.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Example from the NOC Use Survey

Relevant for \_\_\_% of patients

0 25 50 75 100

### Mobility

28. <b>AMBULATION</b> - Ability to walk from place to place independently with or without assistive device	28.	---- ---- ---- ----
29. <b>AMBULATION: WHEELCHAIR</b> - Ability to move from place to place in a wheelchair	29.	---- ---- ---- ----
30. <b>BALANCE</b> - Ability to maintain body equilibrium	30.	---- ---- ---- ----

## SOFTWARE VENDORS

The following vendors have purchased licenses for NIC and NOC. Individuals should check with the vendor directly for detailed information. Additional licensing agreements are in process.

**AHN American Healthnet, Omaha, NE**  
[www.americanhealthnet.com](http://www.americanhealthnet.com)

**Cerner Corporation, Kansas City, MO**  
[www.cerner.com](http://www.cerner.com)

**Dairyland Healthcare Solutions, Glenwood, Montana**  
[www.dhsnet.com](http://www.dhsnet.com)

**DXR Development Group, Carbondale Illinois**  
[www.dxrgroup.com](http://www.dxrgroup.com)

**Ergo, Lake Quivira, Kansas**  
[www.ergopartners.com](http://www.ergopartners.com)

**McKesson, Alpharetta, Georgia**  
[www.mckesson.com](http://www.mckesson.com)

**Nurse's Aide, Keller, Texas**  
[www.nursesaide.net](http://www.nursesaide.net)

**Purkinje, Montreal Canada**  
[www.purkinje.com](http://www.purkinje.com)

**Tech Time, Billings Montana**  
[www.techtimeinc.com](http://www.techtimeinc.com)

## Sad News . . .

Dr. Everett Rogers passed away October 21, 2004 in New Mexico. Dr. Rogers presented a keynote address at the last NNN Conference in April 2004. His comments related to the diffusion of innovations were very helpful to the conference attendees trying to implement standardized languages in education and clinical practice. He also consulted with the Center board members and offered advice based on where he believed we were on his innovation curve. His enthusiasm and interest in our work was inspiring. The 5<sup>th</sup> Edition of his book *Diffusion of Innovations* was published in 2003 and is the second most cited book in the social sciences. Rogers was born in Carrol, Iowa and educated in a one room school house prior to attending Iowa State University. His doctoral dissertation dealt with the diffusion of the 2-4-D weed spray in two Iowa farm communities. His research broke new ground in health communication.

## GNIRC Protocols

The Center for Nursing Classification and Clinical Effectiveness has combined efforts with the University of Iowa Gerontological Nursing Interventions Research Center (GNIRC) to include NIC and NOC in the evidence-based protocols developed by the GNIRC. To date the center has added NIC and NOC to nine protocols. They are Acute Confusion/Delirium, Bathing Persons with Dementia, Detection of Depression in the Cognitively Intact Older Adult, Elder Abuse Prevention, Improving Medication Management for Older Adult Clients, Management of Relocation in Older Adults, Non-Pharmacologic Management of Agitated Behaviors, Persistent Pain Management, and Promoting Spirituality in the Older Adult. These are available at [research-dissemination-core@uiowa.edu](mailto:research-dissemination-core@uiowa.edu).



## Making Quality Care Visible

The NIC/NOC Letter is a publication of the Center for Nursing Classification and Clinical Effectiveness, at The University of Iowa College of Nursing.

We will continue to share news about nursing classification as we've done for the past 12 years.

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 University of Iowa, College of Nursing. The purpose of this newsletter is to provide current information about the Classifications.

# The NIC/NOC Letter

Nursing Interventions Classification/Nursing Outcomes Classification, Volume 13, No. 1, September, 2005

## Sue Moorhead Appointed Director

Sue Moorhead, PhD, RN, Associate Professor, was appointed Director of the Center for Nursing Classification & Clinical Effectiveness on July 1, 2004. Sue is a graduate of the University of Maryland and began her career in the United States Army Nurse Corp. She continued service to her country in the Army Reserve and retired after 29 years of service. She completed her master's degree in adult nursing in 1972 and her PhD in nursing service administration in 1993 at the University of Iowa, College of Nursing. Her work in standardized nursing language began while she was a graduate student, serving as a research assistant on the NIC project.

After completing her doctoral study, she was appointed an assistant professor and became an investigator on the NOC research team. She worked intensively with the field testing sites for NOC and the revision of the NOC scales based upon the data collected in the field sites. She assumed the responsibility of editor with the second edition of NOC and was lead editor for the third edition.

Dr. Moorhead has served on the Executive Board for the Center since it was approved by the Iowa Board of Regents in 1995. She is currently participating in effectiveness research using standardized nursing languages and assisting agencies in the implementation of NIC and NOC. We welcome Dr. Moorhead to this leadership role in directing the activities of the Center.

## Summer Institute 2005

The 2005 Institute on Nursing Informatics and Classification was held at The University of Iowa, College of Nursing June 13-15, 2005. Over 60 participants attended, representing 15 states and three countries.

The conference included keynote presentations by Colleen Di Iorio, Associate Editor of the Journal of Nursing Measurement and Professor at Emory University, *Looking to the Future: Measurement Tools and Strategies*; Joanne Dochterman, Professor Emerita of The University of Iowa College of Nursing, *Conducting Effectiveness Research: Strategies and Issues*; and Margaret Lunney, Professor at the College of Staten Island, *Teaching Nurses to use NANDA, NIC, and NOC: Novice to Expert*. Throughout the three day conference there were opportunities to dialogue with the developers of Nursing Interventions Classification (NIC), Nursing Outcomes Classification (NOC), and NANDA International.

Current systems, database development and issues related to classifications use in practice were discussed. The presenters from various settings were Mary Clarke, Genesis; Marie Kozel, Nebraska Methodist Hospital; Evelyn Burruss and Judy Long, Fresno County Department of Community Health; Teresa Clark, Joe Greiner, and Pam Kunert, University Hospitals & Clinics; and Gail Keenan, University of Michigan. Vendors from EXCELCARE and Simulis presented their software using the classification systems.

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## NIC/NOC LETTER

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

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### SUBMISSIONS WELCOME

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

### MOSBY/ELSEVIER CONTACTS

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PERMISSIONS: Julie Lawley, Information Requests, Ph. 215-238-7869; FAX: 215-238-8483.

NOTE: Permission takes 4-6 weeks to process.

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## Publications

Brokel, J.M., & Hoffman, F. (2005). Hospice methods to measure and analyze nursing-sensitive patient outcomes. *Journal of Hospice & Palliative Nursing*, 7(1), 37-44.

Lunney, M., Delaney, C., Duffy, M., Moorhead, S., & Welton, J. (2005). Technology. Advocating for standardized nursing languages in electronic health records. *Journal of Nursing Administration*, 35(1), 1-3.

Burkhart, L. (2005). A click away: Documenting spiritual care. *Journal of Christian Nursing*, 22(1), 6-13.

## CNC Members Present at ACENDIO

Sue Moorhead and Liz Swanson, PhD, RN, Associate Professor, attended the 5<sup>th</sup> European Conference of the Association for Common European Nursing Diagnoses, Interventions and Outcomes (ACENDIO) representing the Center. The conference this year was in Bled Slovenia, often referred to as the "sunny side of the Alps." This area is a popular Slovenian holiday resort area on the edge of a lake known for its natural beauty. The theme of the conference was "Documenting Nursing Care – Enhancing Patient Care through Nursing Documentation: New Directions for Novices and Experts." Liz Swanson presented a paper entitled "Linking the Nursing Outcomes Classification to the International Classification of Functioning, Disability and Health (ICF)." This classification is used in a variety of countries and settings so there was much interest in this linkage work. The NOC team has been working on this project for the last nine months and the comments and

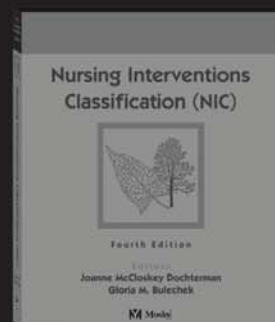
suggestions from conference attendees were very helpful in finalizing this work. Sue Moorhead's paper focused on the activities of the Center – "Enhancing Patient Care: Current Work and Future Directions of the Center for Nursing Classification and Clinical Effectiveness." This was a great opportunity to meet old friends and network with nurses from many countries interested in standardized nursing languages. As usual, the networking opportunities were a great factor in the success of the conference. The next conference will be in Amsterdam in April 2006.

## Don't Get Confused!

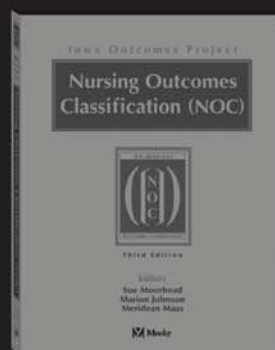
Two informatics nurses associated with the Center were married last fall. Mary Clarke from Genesis Health Systems in Davenport and Teresa Gibbs from the University of Iowa Hospitals and Clinics both took on new roles as wives. Mary Clarke was married to Chuck McDoniel on September 18, 2004. Mary has been involved with NIC and NOC through her position as Informatics Clinical Nurse Specialist and is focusing her dissertation on classification work as a doctoral student at the University of Iowa. She will keep her maiden name. Teresa Gibbs was married to Jerry Clark on August 24, 2004. Teresa is an advanced practice nurse in informatics at University of Iowa Hospitals and Clinics (UIHC) and has been active in nursing information system development and the use of standardized languages in electronic systems. She first met her new husband as a student in high school where he taught science. He is now a retired teacher and they live in Coralville. Teresa's new name is Teresa Clark. So don't get confused as those of us in the Center talk about Clarke and Clark!

# Stay up to date

## with NEW EDITIONS of NIC and NOC!



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ISBN: 0-323-02392-4 • \$43.95



2004 • 896 pp., illustd.  
ISBN: 0-323-02391-6 • \$42.95

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

Joanne McCloskey Dochterman, PhD, RN, FAAN; and Gloria M. Bulechek, PhD, RN, FAAN

**Nursing Interventions Classification (NIC)** presents the full range of nursing interventions, from general practice to all specialty areas. Authoritative and research-based, this resource standardizes and defines the knowledge base for nursing curricula and practice, communicates the nature of nursing, and facilitates the appropriate selection of nursing interventions.

#### New to the 4th edition:

- ▶ **29 newly approved intervention labels**
- ▶ **94 revised and updated interventions**
- ▶ **A new NANDA/NIC/NOC taxonomy section**
- ▶ **Estimated Time and Education Level Necessary to Perform NIC Interventions section** provides estimated requirements for performing each NIC intervention

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

Sue Moorhead, PhD, RN; Marion Johnson, PhD, RN; and Meridean Maas, PhD, RN, FAAN

**Nursing Outcomes Classification (NOC)** presents standardized terminology and measures for nursing-sensitive patient outcomes that result from nursing interventions. The comprehensiveness of the outcomes, and the inclusion of specific indicators that can be used to evaluate and rate patients in relation to outcome achievement, make this book an invaluable resource.

#### New to the 3rd edition:

- ▶ **76 newly approved outcomes:** 70 for individual patients and family caregivers, 3 family-level outcomes, and 3 community-level outcomes
- ▶ **Research results** from 10 clinical sites testing the reliability and validity of the outcomes
- ▶ **Expanded content covering community settings**, reflecting the shift in health care delivery
- ▶ **Core Outcomes for Nursing Specialty Areas** featuring **core interventions for 41 nursing specialties**
- ▶ **An additional column in the Outcomes section measurement scale** with "N/A" to help nurses document the specific outcome indicators that do not apply to their patient.

#### Also available!

### Nursing Diagnoses, Outcomes, and Interventions: NANDA, NOC, and NIC Linkages

2001 • 532 pp. • ISBN: 0-323-01212-4 • \$41.95

This unique reference extends the use of the Nursing Interventions Classification (NIC) and Nursing Outcomes Classification (NOC) by linking them with nursing diagnoses, using the NANDA taxonomy.

Prices subject to change without notice.

## NNN Alliance Conference 2006

The dates for the NNN Alliance Conference have been set. Mark your calendar and plan to attend the Third Biennial Conference of the NANDA, NIC and NOC Alliance March 15-18, 2006 in Philadelphia. The planning committee for this conference consists of Anne Perry and Heather Herdman from NANDA International, and Gloria Bulechek and Sue Moorhead from the CNC. Nursecom is handling the conference. Please plan on submitting an abstract through NANDA and presenting your work. This is an exciting opportunity to network with other nurses interested in standardized languages. The theme of the conference is NNN: Electronic Use of Nursing Clinical Data. Papers (30 minutes), symposiums (90 minutes) and posters are all options for presenting your work and can be submitted through this web site <http://www.nanda.org/html/nnn-conference.html>. Abstracts are due October 1, 2005. All presenters are required to register for the full conference.

## Manewan Sanubol & Peg Kerr Defend Dissertations

Manewan Sanubol defended her dissertation entitled "The Relationship of Six Outcomes from the Nursing Outcomes Classification (NOC) and the Relationships of Organizational, Patient, and Nurse Characteristics to these Outcomes" on February 14, 2005. The chair of her committee was Sue Moorhead and committee members were Meridean Maas, Gloria Bulechek, Charles Mueller, Janet Specht and David Reed. Mannee returned to Thailand in May. We miss you Mannee!

Peg Kerr defended her dissertation June 27, 2005. Chaired by Meridean Maas, her dissertation focused on risk adjustment and was entitled "A Secondary Analysis of Selected Risk Factors Associated with the Status of Nursing Sensitive Patient Outcomes." Committee members were Leon Burmeister, Martha Craft-Rosenberg, Sue Moorhead and Janet Specht. Peg plans to start a postdoc at the University of Iowa in the fall, focused on effectiveness research.

## Fellows Meeting

The Third Annual Fellows meeting was held at the College of Nursing on April 22, 2005. Five new Fellows were invited to join the group: Jane Brokel, Mary Clarke, Barb Rakel, Cheryl Wagner, and Lisa Burkhart. The meeting focused on updates related to the Center, NIC, and NOC. Our focus was on current issues in classification and implementation in electronic health records. The discussion, as always, was lively and informative and we thank the 25 dedicated Fellows who attended this meeting. Reappointments of Fellows will be made as of July 1, 2005 for another 3-year term. The support of these dedicated individuals is important to the success of our Center and the meeting is one of the highlights of the year.



## donor recognition

### RECENT GIFTS

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

Ida Androwich, Riverside, IL  
Kathleen Buckwalter, Iowa City, IA, *In memory of Mr. William J. Coen*  
Kathleen Clark & Richard Valentine, Iowa City, IA, *In memory of Professor Annette Scheffel*  
Jennifer Clougherty, Iowa City, IA  
Judith Collins, Davenport, IA, *In memory of Professor Annette Scheffel*  
Judith Coucouvanis, Ann Arbor, MI  
Janice Denehy, Iowa City, IA, *In memory of Professor Annette Scheffel*  
Joanne Dochterman, Swisher, IA  
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Paul & Lois Hoskins, Ashton, MD  
Carole Johnson, Lake Bluff IL  
Mary Johnson, Durango, IA, *In honor of Dr. Gloria Bulechek*  
Carolyn & James Kacena, Burlington, IA  
Kathy Keasler, Iowa City, IA, *In memory of Professor Annette Scheffel*  
Meridean & Richard Maas, Iowa City, IA, *In memory of Professor Annette Scheffel*  
Eleanor McClelland, Iowa City, IA  
Andrew Mills, St Louis, MO  
Sue & Donald Moorhead, Davenport, IA, *In memory of Professor Annette Scheffel*  
Cindy & Glenn Scherb, Kiester, MN, *In memory of Mr. John Vincent Head*  
Kathryn & Melvin Schweer, Iowa City, IA  
Sierra Health Services, Las Vegas, NV  
Elizabeth Swanson, Iowa City, IA, *In memory of Professor Annette Scheffel*  
University of Iowa College of Nursing, *In memory of Professor Annette Scheffel*  
Debra & Russell Vogt, Coralville, IA, *In memory of Professor Annette Scheffel*  
Dianne Wasson, Iowa City, IA