



College of  
Nursing

THE UNIVERSITY OF IOWA  
**COLLEGE OF NURSING**

ANNUAL REPORT  
2017-2018



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This report covers events that took place from July 2017 through June 2018.

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**Cover photo:** College of Nursing Young Alumni Board (clockwise from left): Matthew Bell (BSN '14), Anita Nicholson, associate dean for undergraduate programs, Ross Van Allen (BSN '14), Whitney Boyd (BSN '14), Emily Christiansen (BSN '14), Xinyi Liang (BSN '16), Julie Zerwic, dean, Jill Permeswaran (BSN '13, DNP '18)

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# MESSAGE FROM DEAN ZERWIC



## DEAR FRIENDS,

It has been an incredible honor to lead the University of Iowa College of Nursing. As I look back on my first year, my greatest pleasure has been meeting the alumni, students, faculty and staff. Each individual can relate a story about how impactful the College of Nursing has been both personally and professionally. The spirit of the institution has been successfully captured by the tradition of the University of Iowa “wave,” which I experienced at my first Iowa football game.

I joined a College of Nursing with a legacy of rich traditions. We are celebrating 120 years of nursing at the University of Iowa in 2018. Alumni have related stories of living and learning at Westlawn and others remember the “new” nursing building launched in 1971. Whenever or wherever you were touched by the University of Iowa legacy, please realize that you are one of 15,000 graduates, and one of 12,000 living alumni. Whether you live and practice in Sioux City, Boston, or Seoul, you remain an Iowa Nurse. I would love to hear about your memories and traditions, so please share them with me at [julie-zerwic@uiowa.edu](mailto:julie-zerwic@uiowa.edu).

This report provides you with a snapshot of how the College of Nursing is carrying out the mission of the University of Iowa through research and discovery, student success, and engagement with Iowa and the world. You will read about the accomplishments of our alumni, students, faculty and staff. In addition, you will learn how we are impacting the issues of diversity through our CONNECTS program as well as other initiatives focused on health equity.

Together, we can be proud of the accomplishments of our alumni, students, faculty, and staff as well as all who have contributed to the legacy of the College of Nursing.

Sincerely,

Julie Zerwic, PhD, RN, FAHA, FAAN  
Kelting Dean and Professor

## EXECUTIVE TEAM

### Dean

Julie Zerwic, PhD, RN, FAHA, FAAN

### Executive Associate Dean

Anita Stineman, PhD, RN

### Associate Dean for Faculty

Keela Herr, PhD, RN, AGSF, FGSA, FAAN

### Associate Dean for Research

Ann Marie McCarthy, PhD, RN, FNASN, FAAN

### Associate Dean for Undergraduate Programs

Anita C. Nicholson, PhD, RN

### Assistant Dean for Graduate Practice Programs

Mary S. Dirks, DRP, ARNP, CPNP-PC, FAANP

### Director, PhD Program

Sandra E. Daack-Hirsch, PhD, RN

### Executive Director of Communications, Alumni and External Relations

Scott Ketelsen, MA

## FACULTY

### HERR AND UI'S CENTER OF EXCELLENCE IN PAIN EDUCATION FEATURED IN INSIGHT

The University of Iowa's (UI) Center of Excellence in Pain Education (CoEPE), a part of an initiative to strengthen pain research via collaborative efforts from UI's Colleges of Nursing, Public Health, Medicine, Pharmacy, and the School of Social Work, was recently featured in the College of Public Health's InSight Magazine. UI's CoEPE, which is directed by **Keela Herr**, PhD, RN, AGSF, FAAN, associate dean for faculty, is one of only 11 of these NIH centers in the country. Read the article on InSight Magazine: <https://www.public-health.uiowa.edu/insight>.

### KIMM LAUDED FOR WORK TO IMPROVE PEDIATRIC MENTAL HEALTH SERVICES

Recent advocacy and committee work by **Vanessa Kimm**, DNP, RN, ARNP, CPNP, clinical assistant professor, led to improved legislation and formation of a new governing board that aims to improve pediatric mental health services in Iowa.

### MULDER'S EXPERTISE ON MATERNAL/NEWBORN INTERACTION REFERENCED BY CNN

CNN published an article titled "The countries where 1 in 5 children are never breastfed," featuring insights from **Pamela Mulder**, PhD, RN, clinical assistant professor. The story focused on a new UNICEF report that ranks countries by breastfeeding rates. Read the article on the CNN website: <https://www.cnn.com/2018/05/09/health/breastfeeding-unicef-study-parenting-without-borders-intl/index.html>.

### RAKEL'S ALTERNATIVE PAIN TREATMENT HIGHLIGHTED BY UI'S OFFICE OF RESEARCH & ECONOMIC DEVELOPMENT

**Barbara Rakel**, PhD, RN, FAAN, professor, collaborating with Kathleen Sluka, PT, PhD, professor of physical therapy, proposed a new avenue for treating pain that may have a significant impact on the U.S. opioid epidemic. Read the feature as it was published by the Office of Research and Economic Development: <https://research.uiowa.edu/impact/news/american-pain-societypfizer-independent-grants-partnership-funds-ui-research-opioid>.

### SEGRE FEATURED AS HOMETOWN HAWKEYE

**Lisa Segre**, PhD, associate professor, is dedicated to ensuring the mental well-being of new mothers in Iowa. For more than 10 years, her research has centered on evaluating a nurse-delivered depression treatment for new mothers via an intervention called Listening Visits, which was first developed in the United Kingdom before being implemented and evaluated for clinical practice in the United States.

### ST. MARIE PRESENTED AT CONGRESSIONAL BRIEFING IN D.C.

**Barbara St. Marie**, PhD, AGPCNP, assistant professor, presented at the Nursing Community Coalition, which hosted a congressional briefing on the opioid crisis in America. In particular, nurse practitioners are poised to be advocates for change as clinicians working in primary care and specialty settings.

### VAN CLEVE ADDRESSED 'TOXIC STRESS'

As a representative of the National Association of Pediatric Nurse Practitioners, **Susan Van Cleve**, DNP, RN, CPNP-PC, PMHS, FAANP, clinical professor and director of the primary care pediatric nurse practitioner program, spoke about the stress children are suffering when they are removed and separated from parents at the border at a news conference in Washington, D.C. Read the article on The Washington Times website: <https://www.washingtontimes.com/news/2018/jun/21/separated-children-may-develop-toxic-stress-say-he>.



Susan Van Cleve and Congressman Raul Ruiz of California

## NEW FACULTY



**Nai-Ching (Allison) Chi, PhD, RN**, assistant professor, obtained her BSN from Tzu Chi University, Taiwan, MSN from University of California, San Francisco, and

PhD from University of Washington. Her research focuses on identifying challenges of family caregiving in hospice care and integrating health informatics and evidence-based interventions to enhance the quality of end-of-life care. She explores the challenges of pain management faced by family caregivers in hospice care and is developing an educational tool for healthcare providers to support pain management. She will be translating the educational tool to an interactive website to support home hospice care.



**CHOOZA MOON**  
PhD, RN

**Chooza Moon, PhD, RN**, assistant professor, completed her PhD in Nursing from the University of Wisconsin-Madison in 2016, as well as her postdoctoral training. Her

research focuses on how sleep and lifestyle risk factors contribute to brain health. She has been focusing on sleep in cardiovascular disease patients, especially heart failure, and how these factors explain neurobiology of older adults. Her current work examines how sleep and activity patterns and underlying chronic conditions are associated with brain health. Her goal is to design person-centered interventions to maximize cognitive and functional performance among older adults who have multiple health problems.



**THERESA JENNINGS**  
DNP, ARNP, FNP-C

**Theresa Jennings, DNP, ARNP, FNP-C**, clinical assistant professor, completed her BSN from Johns Hopkins University and obtained her DNP-Family Nurse Practitioner

from the University of Iowa. She has been practicing as a family nurse practitioner since 2013 and currently practices at a Federally Qualified Community Health Center. Her research and clinical interests include primary care in underserved populations, health literacy, health disparities, and population health.

## STUDENTS



Photo Credit: UI Office of Strategic Communication

### ◀ DNP STUDENTS GAINED CLINICAL TRAINING IN PARTNERSHIP WITH FREE MEDICAL CLINIC

DNP students, **James Kinney** (DNP class of 2021) and **Adam Culver** (DNP class of 2019) benefited from the College of Nursing's partnership with the Free Medical Clinic in Iowa City as they gained valuable training working directly with **Larry Newman**, DNP, RN, AGPCNP-BC, clinical assistant professor and director of the adult-gerontology primary care nurse practitioner program. Read the feature on Iowa Now: <https://now.uiowa.edu/2018/04/ui-college-nursing-partners-free-medical-clinic-expand-care>.



### ▶ CNL STUDENT THRIVED IN ROTARY MISSION TO GUATEMALA

College of Nursing student **Yurico Martinez** (MSN '18) was presented with a unique opportunity during a recent journey to Guatemala: to improve the lives of some of the country's underserved children, one smile at a time.



### ▲ BSN STUDENT BALANCED SCHOOL AND ROWING

**Logan Jones** (BSN class of 2019) balanced school work, self-discipline, and perseverance as a Division I athlete in the women's rowing team, which placed 11<sup>th</sup> at the 2018 NCAA Rowing Championships in Sarasota, Florida.



### ◀ RN-BSN PRECEPTOR AND STUDENTS WORKED TO HALT HUNGER IN DUBUQUE

**Rhonda Ramler**, preceptor for the RN-BSN program, and two RN-BSN students—**Hillary Gant** (BSN '18) and **Cori Foley** (BSN '18)—helped develop, open, and evaluate a food pantry for families in Dubuque's Lincoln Elementary School. View the coverage in the Telegraph Herald: [http://www.telegraphherald.com/news/tri-state/html\\_b7c6e88e-9e8e-51c1-8cf8-4d586a9dd30f.html](http://www.telegraphherald.com/news/tri-state/html_b7c6e88e-9e8e-51c1-8cf8-4d586a9dd30f.html).

## PHILANTHROPY

### COLLEGE OF NURSING RENOVATION TO MEMORIALIZE FORMER DEAN

**David Frantz** continues to support College of Nursing with a recent gift of \$500,000 to help create a new student commons. This gift honors the legacy of his wife, former dean and alumna, Rita Frantz, PhD, RN, FAAN.

## STAFF

### GARR RECEIVED UI DIVERSITY CATALYST AWARD

**Valerie Garr**, MA, diversity coordinator of the College of Nursing, received a UI Diversity Catalyst Seed Grant to develop a new initiative called "College of Nursing Networks and Engagement in Communities through Service (CONNECTS)", which aims to build stronger partnerships between the College of Nursing and targeted K-12 populations.

### WEATHERS AND IOWA NURSE RESIDENCY PROGRAM FEATURED ON RURAL HEALTH LEADERSHIP RADIO

**Nicole Weathers**, MSN, RN, program manager of the Iowa Online Nurse Residency Program, was recently featured on Rural Health Leadership Radio. With almost 10 years of experience in rural health care under her belt, Weathers knows and understands the trials and tribulations that rural facilities face when it comes to recruiting and retaining nurses. Listen to the podcast on Rural Health Leadership Radio: <http://rhradio.com/2017/12/05/71-a-conversation-with-nicole-weathers>.

## NEW STAFF

### **Noriko Abe, MSN**

Program Coordinator

The Center for Nursing Classification and Clinical Effectiveness

### **Bethany Campbell Tvedt**

Research Support Coordinator

Office for Nursing Research and Scholarship



David Frantz

### **Scott Ketelsen, MA**

Executive Director of Communications,  
Alumni and External Relations  
Office of the Dean

### **Breanna Reed**

Administrative Services Coordinator  
Office of Student Services

### **Laura Super, MSN, RN, CCRN**

SANE Program Coordinator  
Sexual Assault Nurse Examiner Program

## STAFF RETIREES

They have provided over 100 years of combined service to the University of Iowa!

**Linda Curran**, 30 years

**Lonna Furlong**, 11 years

**Nancy Goldsmith**, 32 years

**Hazel Kerr**, 30 years

## STAFF AWARDS



### COLLEGE OF NURSING STAFF AWARD

**Linda Hand,** PhD, director of Office for Nursing Research and Scholarship (ONRS), was awarded the

inaugural College of Nursing Staff Award in 2018. The award was established to recognize excellence in service that goes above and beyond to help the College of Nursing reach strategic goals and inspire faculty, staff, and students.

Hand is exceptional at developing collaborations, networking within the College and across campus, and supporting the diverse needs of the faculty, staff, and students. Hand made a number of outstanding contributions to the ONRS. She developed databases for managing grant submissions, updated

the ONRS web page, and collaborated with UIHC staff to facilitate access to Epic medical records for research projects. Programs, such as the Research Forum and Summer Grants Workshop, that existed in the past were revitalized and improved by Hand. For example, the Developing Scholars monthly meeting series for new faculty was created by building upon an existing support group for postdoctoral fellows and the new series was put in place in partnership with senior faculty.

In a time of decreasing research funding, Hand has made exceptional efforts to support faculty. In 2012, she became a Patient-Centered Outcomes Research Institute (PCORI) reviewer to assist faculty in submitting proposals to this agency. She also works with faculty members to navigate submitting industry grants and continues to support faculty in submitting grants to private foundations, professional organizations and federal agencies. Additionally, Hand has gone beyond

her expected role of supporting faculty scholarship to respond to the academic needs of nursing students. She works with biostatistics department to hire PhD students to provide statistical consultation to nursing PhD students. For DNP students and faculty, she has provided significant assistance with basic data analysis support and education.

ONRS staff credit Hand's supportive supervision and calm demeanor during periods of transition for the success of the ONRS team. She instituted a process and developed guidelines for including the statistician and data manager on grant proposals. She has served on 16 search committees and provided orientation and guidance to new hires. In summary, Hand's organizational skills, supportive management, and caring approach are critical to the success of the ONRS and the College of Nursing.



### THE BOARD OF REGENTS STAFF EXCELLENCE AWARD

**Valerie Garr,** MA, diversity coordinator of the College of Nursing, has been recognized as

one of six recipients of the Iowa Board of Regents Staff Excellence Award.

The Board of Regents, in cooperation with the staff councils of the five Regents institutions, annually recognizes staff for outstanding accomplishments/contributions to institutions as well as the State of Iowa. The Regents Staff Excellence Awards, established in 1993, provide a statewide forum to recognize staff in conjunction with colleagues from the other Regents institutions.

Over the span of her 29-year UI career, some of Garr's contributions include:

- Appointment by the Provost Office to develop the UI Advantage Iowa Award for undergraduate underrepresented and first-generation students.
- UI's first Director of Diversity Relations & Outreach in the Office of Admissions, developing one of the university's first diversity recruitment brochures, and the diversity and Spanish sections of the Admissions website.
- Establishing an annual high school conference and college fair for Iowa-Illinois Quad Cities minority students of which the UI and other institutions participate in recruitment.
- Founding member of the UI Iowa Edge Program for newly enrolled underrepresented undergraduate students.
- UI committee work: Coordinating Council on STEM, Culturally Responsive Healthcare Conference,
- Iowa Challenge SERVE Committee, Diversity Action Committee, Minority Recruitment & Retention Committee, UI African American Council (former Vice President).
- Providing diversity workshops for UIHC's Nurse Residency Program and providing diversity resources to College of Nursing's Iowa Online Nurse Residency Program.
- Creating the College of Nursing's Seven Pillars of Diversity and the UI Multicultural Nursing Association.
- Co-writing the proposal to make the UI a charter of the National Coalition Building Institute for diversity and equity training.
- Humanities Iowa Grant recipient to co-produce educational video "White Privilege 101: Getting In On The Conversation" to empower civil discussions about race across identities.
- UI Speaker's Bureau conducting diversity/cultural competence workshops across the state.

## FACULTY BY THE NUMBERS

30	TENURE TRACK
28	INSTRUCTIONAL TRACK
23	CLINICAL TRACK
17	ADJUNCT LECTURERS
1	ASSOCIATE

## DISTINGUISHED FELLOWSHIPS

17	AMERICAN ACADEMY OF NURSING
6	AMERICAN ACADEMY OF NURSE PRACTITIONERS
1	AMERICAN COLLEGE OF HEALTHCARE EXECUTIVES
1	AMERICAN GERIATRIC SOCIETY
1	AMERICAN HEART ASSOCIATION
1	GERONTOLOGICAL SOCIETY OF AMERICA
1	INTERNATIONAL NURSING KNOWLEDGE ASSOCIATION
1	NATIONAL ASSOCIATION OF SCHOOL NURSES

**Michael Anderson**, DNP, CRNA, ARNP, clinical assistant professor and clinical coordinator of the Anesthesia Nursing Program, was awarded the 2018 **DAISY Faculty Award**. Anderson was recognized for going above and beyond teaching expectations, demonstrated evidence as an educational leader, and advocated for his students by arranging a variety of distance clinical rotation sites to ensure the best learning experience.

In May 2018, **Anderson** was recognized as an honoree of the **100 Great Iowa Nurses Award** in Des Moines.

**Howard Butcher**, PhD, RN, associate professor and **Daniel Wesemann**, DNP, PMHNP-BC, ARNP, clinical assistant professor and director of the psychiatric mental health nurse practitioner program, received the 2018 **College of Nursing Research and Clinical Partnership Award** for their project "Growing Up with Bipolar Disorder: A Lived Experience." This award recognizes and rewards innovative faculty partnerships in the integration of research, education and/or clinical expertise.

**Sandra Daack-Hirsch**, PhD, RN, associate professor and director of the PhD Program, completed the 2017-2018 fellowship of the **Big Ten Academic Alliance (BTAA) Academic Leadership Program**.

**Daack-Hirsch** was elected vice president of the **University of Iowa Faculty Senate** in April 2018, and will serve a one-year term in 2018-2019.

**Amany Farag**, PhD, RN, assistant professor, received the **Junior Scholar Award** from the Health Systems, Policy, and Informatics MNRS RIG at the Midwest Nursing Research Society Annual Meeting in April 2018. This award recognizes the work of an

individual whose scholarly work has progressed beyond their dissertation project and has been started within the past five years (after completion of their doctorate).

**Stephanie Gilbertson-White**, PhD, APRN-BC, assistant professor, was awarded a **University of Iowa Holden Comprehensive Cancer Center (HCCC)/American Cancer Society (ACS) seed grant** for junior faculty. The funding will be applied toward her research project, which is titled "A Symptom Self-Management Website for Rural Cancer Patients: Feasibility Testing to Determine Usability and Acceptability by Patients."

**Gilbertson-White** was recognized at the Annual Assembly for Hospice & Palliative Care held in Boston, MA in March 2018 with the Hospice and Palliative Nurses Association **New Investigator Award**. This Award recognizes the work of an individual in the beginning of his or her research career who has done quality research, which can be a pilot or preliminary study that focused on clinical care, professional development, or advancement of palliative nursing.

**Gilbertson-White** received the **New Investigator Award** from the MNRS Palliative and End of Life Care RIG at the Midwest Nursing Research Society Annual Meeting in April 2018. **Gilbertson-White** was recognized for her contributions as a new investigator conducting nursing research to advance the science and/or practice of palliative and end of life care.

**Mackenzie Kane**, MSN, RN, lecturer and staff nurse in the Respiratory Specialty and Comprehensive Care Unit of UIHC, received the **DAISY Award** in January 2018 for her holistic approach to patient care.





Michael Anderson, recipient of 100 Great Iowa Nurses Award



Liz Swanson was instrumental in the development and successful implementation of the 100 Great Iowa Nurses.



President Harreld, College of Nursing nominees and medallion recipient, Ann Marie McCarthy, at the Hancher-Finkbine Medallion dinner.  
L to R: President Harreld, Janet Williams, Sandra Daack-Hirsch, Ann Marie McCarthy, Keela Herr, and Toni Tripp-Reimer

**Susan Lehmann**, MSN, RN, assistant professor, was bestowed with a **Governor's Volunteer Award** from Governor Kim Reynolds during a special recognition ceremony held in Cedar Rapids at the Kirkwood Hotel in October 2017.

**Wen Liu**, PhD, RN, assistant professor, was selected as one of six early career nurse scientists to participate in the inaugural **Duck-Hee Kang Memorial Mentored Workshop** to be held in Washington, D.C., in fall 2018.

**Ann Marie McCarthy**, PhD, RN, FNASN, FAAN, professor and associate dean for faculty, was presented with a **Hancher-Finkbine Medallion** during the 101<sup>st</sup> Finkbine Dinner, which was held April 10, 2018 at the Iowa Memorial Union. Considered one of the most prestigious awards at the University of Iowa, the tradition of awarding Hancher-Finkbine Medallions was established in 1964 and serves to recognize nominees who exemplify three defining characteristics for which the awards are presented: leadership, learning, and loyalty.

**Cormac O'Sullivan**, PhD, CRNA, ARNP, clinical associate professor and director of the Anesthesia Nursing Program, was awarded the 2018 **Collegiate Teaching Award**. O'Sullivan was recognized for his innovative and creative teaching approaches to engage students in learning. This award represents the highest honor the College of Nursing can bestow upon its faculty for excellence in teaching.

**Lisa Segre**, PhD, associate professor, was bestowed with a **Global Curriculum Development Award** for her proposal to substantially revise the course material for "Human Development and Behavior." Through this award, Segre will receive funding for research and travel to India in fall 2018. The award is funded

through International Programs and the Stanley-UI Foundation Support Organization.

**Liz Swanson**, PhD, RN, associate professor emeritus and former director of external relations, was honored with the inaugural **HER Women of Achievement Award**. Swanson was one of twelve local women, leading in business, education, and non-profit, recognized for their exemplary skills and positive impact in the Corridor community. Nominees were evaluated based on professional achievements in their field, creative contributions to the community, and leadership skills.

**Janette Taylor**, PhD, RN, WHNP-BC, FAAN, associate professor, was recognized as a 2018 **Woman of Influence** by the Pi Kappa Chapter of Zeta Phi Beta Sorority in April 2018. According to the sorority, the award was created "to honor women who have shown a commitment to the progression of students, staff, and/or faculty of color...all-the-while exuding professionalism, excellence, and integrity."

**Judy Verger**, RN, PhD, PNP-AC, FAAN, clinical professor and director of the pediatric acute care nurse practitioner program, was inducted in the 2017 class of **Fellows of American Academy of Nursing** (FAANs). Fellow selection criteria includes evidence of significant contributions to nursing and health care, and sponsorship by two current Academy fellows. Applicants are reviewed by a panel comprised of elected and appointed fellows, and selection is based, in part, on the extent the nominee's nursing career has influenced health policies and the health and well-being of all.

# FACULTY PRACTICE HIGHLIGHT

## COLLABORATION BETWEEN IOWA CITY FREE MEDICAL CLINIC AND COLLEGE OF NURSING

Larry Newman, DNP, RN, AGPCNP-BC, clinical assistant professor and director of the adult-gerontology primary care nurse practitioner program, and Barbara Vinograde, Free Medical Clinic (FMC) executive director, collaborated on a grant that allowed the establishment of a nurse practitioner-led chronic and acute clinic as a new service of the FMC.

In 1971, the FMC was established by a group of people who believed access to affordable health care was a basic human necessity. That foundational principle remains strong today. The FMC exists to provide the widest scope of care possible

The FMC has a small, dedicated staff who work with over 250 volunteers from a wide range of disciplines, including UI students and UIHC employees. Services include six medical clinics per week, during which patients receive treatment for acute and chronic conditions, a medication dispensary, laboratory, and specialty clinic including gynecology, ophthalmology, physical therapy, and dermatology. The FMC also holds

between two to five dental clinics per week, during which patients receive treatment plans, x-rays, fillings, extractions, and dental hygiene services.

One of the stipulations of the grant is that nurse practitioner students complete some of their practicum hours seeing clients as part of the clinic. Newman, who precepts students, feels this is a win-win situation—great experience for the nurse practitioner students and additional services for the community!

“This generous grant from an anonymous donor along with support from the College of Nursing has allowed us to provide students experience in assessing and treating complicated chronic conditions and most importantly expanded health care services to people who do not have medical insurance,” adds Newman.

In its first six months of operation, the “Nurse Practitioner Primary Care Clinic” has successfully provided the means for the FMC to have more available appointments for the uninsured in the community. From January through June, 2018, twenty-three nurse practitioner-

led clinics were held at FMC, during which 164 appointments were available and 130 patients received treatment for acute and chronic health conditions. Under the supervision of a doctorally-prepared, board-certified primary care nurse practitioner faculty, thirteen UI nurse practitioner students worked directly with patients, for a total of 270 student clinical hours.

Vinograde says that, “the nurse practitioner clinic has been an incredible addition to the FMC. It’s allowed the clinic to have appointments available and as a result, we’ve been able to provide needed care to more people.”

Newman is a longtime supporter of the FMC, volunteering through the years in a variety of ways. He is encouraging student groups within the College of Nursing to volunteer at the clinic as well as informing alumni about how to become involved. Learn more about the Free Medical Clinic here: <http://freemedicalclinic.org>.

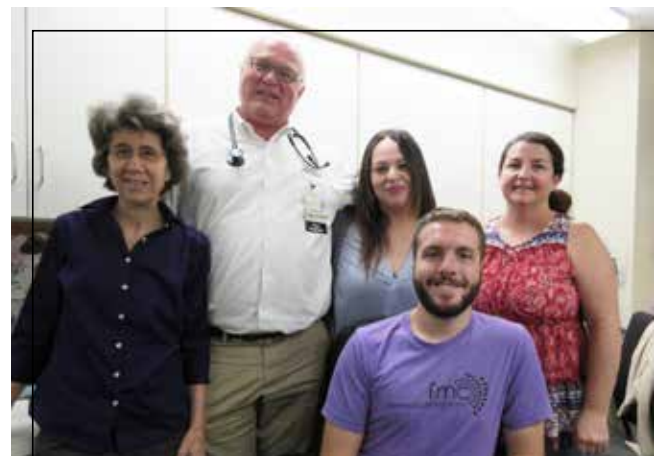
**IN FY 2018, THE FMC PROVIDED SERVICES FOR 1,715 CLIENTS DURING 6,136 CLINIC VISITS.**



**LARRY NEWMAN**  
**Position:** clinical assistant professor  
**Joined faculty:** 2015  
**Academic history:**  
 DNP, The University of Iowa  
 BSN, The University of Iowa

to people who might otherwise not receive needed care due to cost or fear of judgement.

The FMC serves a diverse, low-income, and vulnerable population. Without the FMC, many patients would postpone or go without needed care, leading to preventable conditions and chronic health conditions becoming more serious. The focus with patients during a clinic visit is never on “free” care but on high-quality care with an emphasis on education and prevention.



L to R: Barbara Vinograde, Larry Newman, Jennifer Beltran (volunteer and clinic manager), Stacy Wilkerson (director of clinic operations), Nolan Schneider (office coordinator).

# FACULTY PROFILE

In her 8<sup>th</sup> grade health class, University of Iowa alumna and College of Nursing faculty, Nicole Peterson, DNP, ARNP, did an assignment about her long-term goals and future in which she talked about going to college, buying a car, and buying a REAL house, not a trailer.

“That was the most long term goal I could think of at that time,” says Peterson. “No details, just go to college, buy a house and a car. It’s funny that I could not imagine anything beyond that, but it really highlights the effects of extreme poverty that I grew up in.”

Peterson, a member of the Menominee Nation and a first-generation college student, was born in Antigo, Wisconsin. But when her parents divorced, her family moved around a lot, so she grew up in various rural areas between the town of Antigo and the Menominee Indian Reservation in northeastern Wisconsin, and in northeast Iowa. Nobody in her family went to college.

Although Peterson took a health careers class in high school, researched nursing as a career, and even earned her Certified Nursing Assistant, she says nursing still was not appealing to her. She thought she wanted to be a chiropractor. What changed her career trajectory? It was spending three weeks in the hospital during the birth of her son.

“I started talking to a lot of nurses and physicians to see what they liked and didn’t like about their jobs. I quickly realized that the nurses really provide the care for patients and I liked that nurses worked directly with people,” adds Peterson.

Today, Peterson is the first Menominee to earn a DNP degree and become certified as a adult-gerontology primary care nurse practitioner (AGPCNP). As faculty at the College of Nursing, she has taught Gerontological Nursing, Gerontological Practicum, Graduate Pharmacology Specialty and Advanced Practice Clinical

Practicum I (AGPCNP sections). She’s a mentor for the Young Gerontological Nurse Clinician Program, a program of which she was a part of as a BSN student. She also serves as an advanced registered nurse practitioner at the Meskwaki Tribal Health Clinic located in Tama, Iowa.

Peterson’s prior work experience with older adults who were dying while in the intensive care unit impacted her passion for advance care planning. She works with IPOST (Iowa Physician Orders for Scope of Treatment) in Iowa City, an organization that helps health providers guide and support Iowa patients, who are frail or elderly, or have a limiting medical condition, to communicate preferences for life-sustaining treatments through the last stages of illness. Involvement in IPOST led to her work with the national chapter of the organization.

Adds Peterson, “My latest and most exciting accomplishment is the publication of the POLST Care Continuum toolkit chapters on nursing home and hospice. You can find my chapters and the webinar I recorded here: <http://polst.org/toolkit/?pro=1>.”

Peterson is also active in the Native American campus community. Since 2014, she has served as the President of the Native American Council. She has collaborated with the Native American Student Association to coordinate the University of Iowa Powwow. She has served on the Native American and Indigenous Studies Program (formerly AINSP) Steering Committee and she is an informal liaison to the Meskwaki Settlement School and Meskwaki Higher Education. As part of the Building University of Iowa Leadership for Diversity (BUILD) certificate program, she has taught courses on



## NICOLE PETERSON

**Position:** lecturer

**Joined faculty:** 2004

### Academic history:

DNP, The University of Iowa  
MSN, The University of Iowa  
BSN, The University of Iowa

“Working with Native students” and “Negative aspects of Indian mascots.” She participated in a nursing simulation and guest presents on Native health disparities for the Summer Health Professions Education Program. She partners with the Iowa First Nations (IFN) Summer Camp. Peterson is also a member of the Latino Native American Alumni Association.

She is active with the Multicultural Nursing Association, a participant in the networking luncheon for the Iowa Edge Program, and was a 2018 panelist at the University of Iowa Culturally Responsive Health Care in Iowa Conference session on “Perspectives on health care for Native Americans.”

There is no doubt that Peterson’s ultimate goal for the many students she nurtures is to help them become better students and/or better nurses. Finally, in all of the nursing courses she teaches, Peterson says she always reminds her students that nursing is a team sport, but you never get to choose your coworkers or patients.

“We need to be able to work with all different kinds of people with different personalities and situations, so it is imperative that our students as future nurses consider this throughout their nursing education.”



## FACULTY Q & A



### BARBARA ST. MARIE

**Position:** assistant professor

**Joined faculty:** 2014

**Academic history:**

Post-doctoral Fellow,  
The University of Iowa  
PhD, Nursing, University of  
Wisconsin-Milwaukee  
MA, Nursing, St. Catherine University  
MA, Education, University of St. Thomas  
BA, Nursing, Gustavus Adolphus College

Barbara St. Marie, PhD, AGPCNP, assistant professor, is among a group of faculty at the University of Iowa who concentrate on pain, chronic pain, and substance use disorder. They include experts from the College of Nursing as well as faculty from colleges and units such as Medicine, Psychology, Public Health, Pharmacy, and Social Work. She answers a few questions about her path to nursing and her research.

#### Q. CAN YOU PROVIDE BACKGROUND FOR THE OPIOID CRISIS?

**A.** Pain and substance use disorder are two major public health problems. It is estimated that 126 million adults have recurrent pain in the past three months, 25 million people experience chronic pain on a daily basis and most have pain that is very severe so they cannot work nor care for themselves (Nahin, 2015). Twenty million people experience substance use disorder including alcohol and other drugs and two million Americans specifically have opioid use disorder (U.S. Department of Health and Human Services, 2016). Over 75% of people with chronic pain do not develop opioid use disorder, however, all patients who are prescribed opioids for pain are at risk (Fishbain et al., 2008). People with mental health diagnoses are at increased risk for overdose of opioids; these overdoses are related to high doses, nonmedical use, and the interactions of opioids with tranquilizers, antidepressants,

antipsychotics (Jones, Mack, Paulozzi, 2013). Morbidity and mortality from opioid-related misuse affects individuals and their supportive family and friends in every community in the U.S. Failure of healthcare providers to recognize these two public health problems, pain and substance use disorder, can lead to biopsychosocial or spiritual harm.

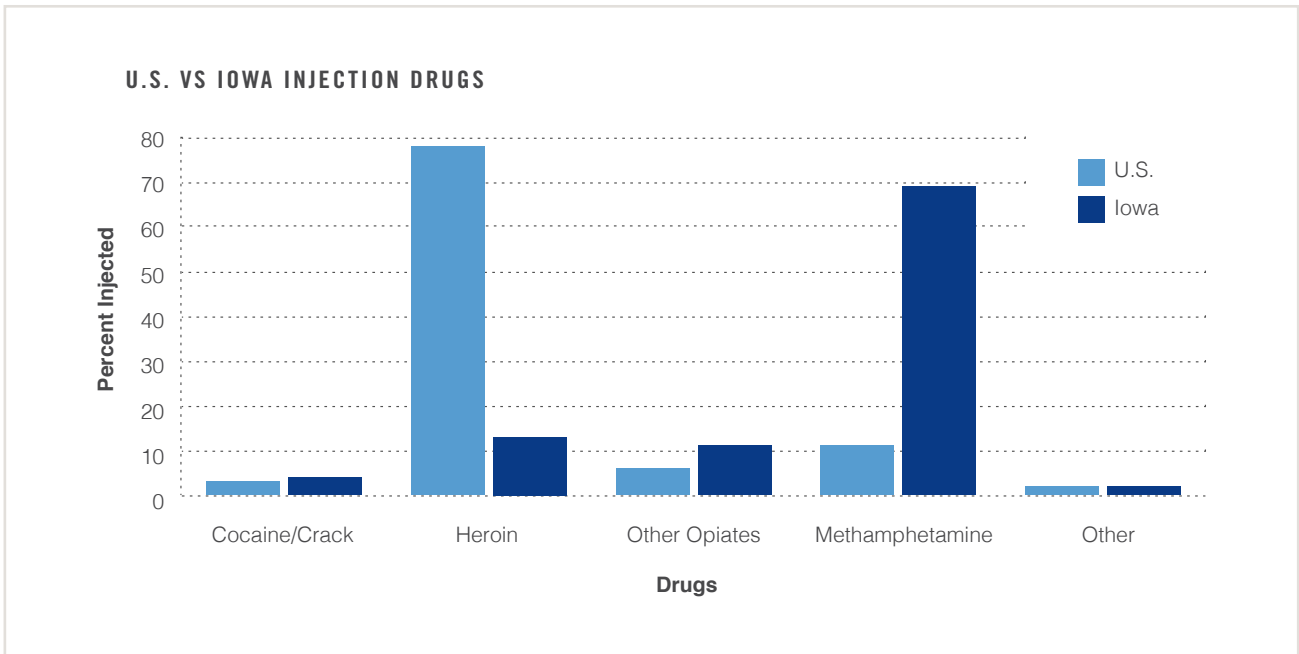
#### Q. WHAT IS THE CURRENT STATUS OF PAIN MANAGEMENT AND OPIOID USE?

**A.** With the increases in opioid related deaths and suicide, local and national public policies have limited prescribing of opioids resulting in limited access to patients with legitimate pain problems. In fact, there has been a decline in high dose prescriptions (41%) since 2010 (Guy, Zhang, Bohn et al., 2017), however, opioid deaths continue to rise (National Drug Early Warning System, 2015; CDC, 2018). In 2016, nearly 66% of drug overdoses

involved prescription or illicit opioids. And as of March, 2018, the sharp increase in opioid overdose deaths are related to synthetic opioids such as fentanyl, which is illegally manufactured and distributed.

#### Q. WHAT IS HAPPENING IN IOWA?

**A.** In a special report on intravenous injection of drugs and admissions to treatment, The Iowa Consortium for Substance Abuse Research and Evaluation reported that there was a greater incidence of admissions to treatment for opioids, but an even greater number of admissions for methamphetamine. This is different from admissions to treatment for the rest of the nation where injection of opioids is more prevalent than methamphetamine. Injection drug use admissions are largely in the 21-29 age group and the unemployed. However, the population over 50 years of age has shown the most proportional increase of 5.2 times



between 2000 and 2014. Resultant health consequences of HIV and hepatitis in Iowa are at an all-time high (Arndt, Jones, Hedden, 2018).

**Q. HOW DID YOU CHOOSE A CAREER PATH IN NURSING AND COME TO STUDY PAIN?**

**A.** I didn't always plan on being a nurse. I was actually a musician and intended to pursue a music degree. However, life had its own plan when I became ill and experienced the care of nurses. Understanding first hand how nurses can impact patient lives, I entered the nursing program and gravitated towards relieving the suffering of others. Throughout the years, I gained considerable experience in managing pain as a registered nurse and a certified adult-gerontology primary care nurse practitioner. I also became certified in pain management nursing and Addiction-Free Pain Management®. My interest in managing pain in those with substance use disorder grew out of my work as a pain management nurse at a level I trauma center in Minnesota. My master's thesis demonstrated that patients with active substance use disorder and acute pain from injury, experience more pain and required two to three times more opioids to manage their pain than those who did not have substance use disorder.

I completed a PhD in Nursing from the University of Wisconsin in Milwaukee. Following my dissertation defense of the *Coexistence of Addiction and Pain in People Receiving Methadone for Opiate Addiction*, a study looking at the lived experiences of people with coexisting addiction and pain, I sought further mentoring in building my program of research. I accepted a Postdoctoral Fellowship at the University of Iowa College of Nursing, funded through a T32 grant from NINR/NIH (NR011147) on Pain and Associated Symptoms with Keela Herr, PhD, RN, AGSF, FGSA, FAAN, associate dean for faculty, as primary mentor. I received the Dean's Research Award at the College of Nursing and began developing a decision support tool for pain management.

**Q. WHO ARE YOUR CURRENT COLLABORATORS AND WHAT ARE YOU STUDYING NOW?**

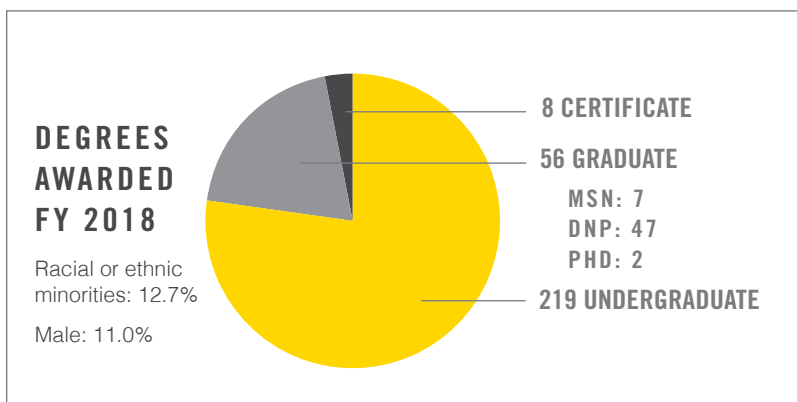
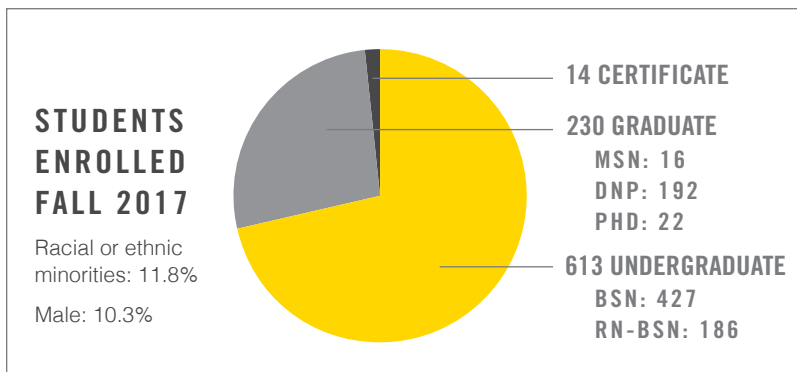
**A.** I established interdisciplinary collaborations with Prakash Nadkarni, MBBS, research professor (Neurologist and Health Informatics); Stephan Arndt, PhD, professor (Addiction Research, Psychiatry, and Biostatistics); Barbara Rakel, PhD, RN, FAAN, professor (Nursing and Evidence-based Practice); and Todd Papke, PhD, research scientist (Health

Informatics). Our efforts lead to writing and attaining a K23 grant through the National Institutes of Health, National Institute on Drug Abuse (1K23DA043049-01). Through this grant, I continue to develop the Decision Support Tool for Responsible Pain Management (DS-RPM), which stratifies the treatment of pain based on risk for opioid misuse.

**Q. DO YOU HAVE ANY FINAL WORDS ON YOUR SUCCESS AS A NURSE RESEARCHER?**

**A.** My success as a nurse researcher can be attributed to my clinical experience and my education and mentoring at the University of Iowa College of Nursing. My clinical experience has provided me with the perspectives of the patients' suffering and a gap in healthcare provider guidance. My pre- and post-doctoral education and mentoring at the College of Nursing has provided important training in pain and substance use disorder literature, quantitative and qualitative research methods, study design, technology applications, evidence-based practice, clinical decision support, and grant and manuscript writing skills.

# STUDENT SUCCESS



## NCLEX SUCCESS RATE

**97.8%**

Compared to 86.0% for Iowa and 87.1% nationally

**FIRST-TIME PASS RATE**

Reference: National Council of State Boards of Nursing (2017)

## NATIONAL CERTIFICATION EXAM SUCCESS RATES

Exam	Pass Rates (%)
Adult/Gerontology Nurse Practitioner-Acute Care (ANCC)	100.00
Adult/Gerontology Nurse Practitioner-Primary Care (AANPCB)	100.00
Anesthesia Nursing (NBCRNA)	100.00
Clinical Nurse Leader (CNC)	100.00
Family Nurse Practitioner (AANPCB)	94.12
Pediatric Nurse Practitioner-Primary Care (PNCB)	100.00
Psychiatric/Mental Health Nurse Practitioner (ANCC)	100.00

## UNDERGRADUATE PROGRAMS

### RN-BSN PROGRAM

The College of Nursing online **RN-BSN** program, **ranked #4 on The 50 Best Online RN to BSN Programs by thebestschools.org**, provides access to baccalaureate education for nurses throughout the state. To ease the transition from community college to a four-year degree, the College of Nursing has partnered with the Des Moines Area Community College (DMACC) and the North Iowa Area Community College (NIACC) to create a new articulation agreement, the "RN to BSN 3+1" agreement. The aim is to fast track qualifying associate degree nursing graduates who would be able to seamlessly transfer to the University of Iowa and complete their Bachelors of Nursing Science (BSN) degree in one year. The baccalaureate education allows students to acquire essential knowledge

and skills to provide quality care to diverse patient populations with increasingly complex health care needs. Students also gain valuable leadership experience which opens up new nursing career opportunities. Implementation of the RN to BSN 3+1 agreement has doubled enrollment of DMACC and NIACC graduates.



Dean Julie Zerwic signs the UI/NIACC RN to BSN 3+1 Agreement

### STUDENTS ADMITTED UNDER THE RN TO BSN 3+1 AGREEMENT

	2017	2018
DMACC	18	36
NIACC	8	17

**PRE-LICENSURE BSN PROGRAM**

As the youngest group of students in the College of Nursing, the education of **pre-licensure BSN** students goes well beyond the nursing classroom. Additional academic endeavors, service and extracurricular activities of all kinds, form a vital part of their experience at Iowa, creating unique opportunities for learning and camaraderie. Here is a snapshot of our successful BSN students outside the nursing classroom.

**AMALIA HELMKAMP**

(BSN class of 2018)  
double majoring in nursing and violin performance

**ASHLEY BRILL**

(BSN class of 2019)  
organizing activities as vice president of administration for Tri Delta Sorority

**RACHEL EVANS**

(BSN class of 2019),  
singing in Iowa Hawkapellas, all-female acapella group

**CECILIA KUBU**

(BSN class of 2019),  
serving as a member of the Air Force ROTC



**AMY SMITH**

(BSN '18) pole vaulting on Hawkeye women's track and field team



**KATHERINE BECKER**

(BSN class of 2021),  
rowing on the Hawkeye women's rowing team



**MORGAN KOFOID**

(BSN class of 2018)  
leading as a Student Leader Board representative at UIHC

**MEGAN LOUGH**

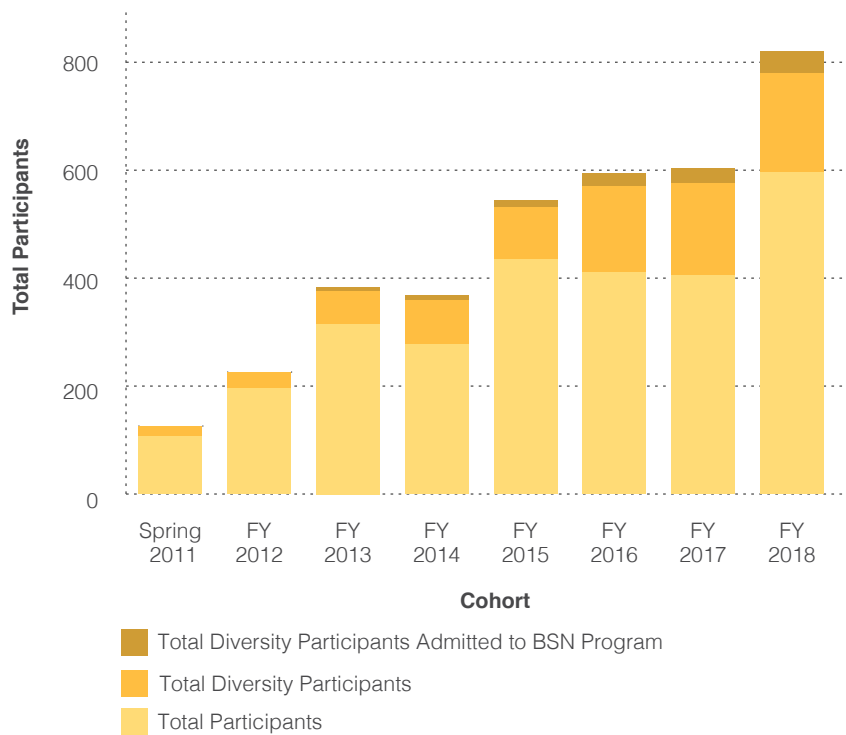
(BSN class of 2018)  
studying abroad in Lima, Peru



## SUPPLEMENTAL INSTRUCTION

The College of Nursing received a grant from the Office of the Provost in Fall 2010 to implement a supplemental instruction (SI) program designed to increase the pool of qualified underrepresented pre-nursing students for nursing. The grant was awarded and the first program was offered in Spring 2011. The College has since funded the program each semester. Overall, from 2011 to 2018, 2,739 students have participated in structured SI; this represents 1,349 unique students (or 49%) who join more than one SI subject session.

SUPPLEMENTAL INSTRUCTION PARTICIPATION







Panelists from L to R: G. Garcia, J. Weiss, K. Calomino, K. Entsminger, R. Bosiljevac, O. Endale, O. Hammond, and Z. Zhu.

## NURSING CONNECTS!

*"Why do you want to be a nurse?"*

*"What is the hardest thing about going to college?"*

*"What is it like to be a nursing student?"*

*"What kinds of classes do you have to take to be a nurse?"*

*"How many years does it take to go to college?"*

These are just a few of the many questions asked by a diverse group of curious Iowa City Community School District 4<sup>th</sup>, 5<sup>th</sup>, and 6<sup>th</sup> grade AVID students who participated in the University of Iowa **College Of Nursing Networks and Engagement in Communities Through Service or CONNECTS** Program in spring 2018.

Valerie Garr, diversity coordinator, along with several BSN and nursing interest student volunteers, visited with over 200 underrepresented/ underserved secondary AVID students to read age appropriate books about nursing, hold Q & A panels about college and nursing, and engage in interactive discussions and health science activities to inspire the pursuit of college to earn a BSN degree. AVID (Advancement Via Individual Determination) is an Iowa City Community School District initiative to advance a culture of college readiness with a focus on secondary students who will be the first in their family to attend college.

"By developing targeted school co-curricular partnerships with children early in their educational journey, the College of Nursing can promote nursing as a profession while emphasizing the necessary academic pathways of building a nursing career to diverse K-12<sup>th</sup> grade students who might not otherwise be in the academic and career pipeline for nursing," says Garr.

"Also, AVID is perfect for CONNECTS because both programs are about helping kids use goal-setting to visualize and actualize dreams to achieve student success at every level of education they

pursue," adds Garr.

Forty-five minute sessions for each CONNECTS grade level made for a fun but empowering exchange between the AVID students and the UI CONNECTS student volunteers.

Jesse Weiss (BSN class of 2020) from Glen Rock, New Jersey, and an intern with the Iowa City Foreign Relations Council, was pleasantly surprised by how involved the AVID students were. Says Weiss, "I was not expecting anyone to raise their hand, but instead, we had to limit the number of questions we could take. I think that says a lot to how much they enjoyed the program."

Kelsey Calomino, a nursing interest major from Wauconda, Illinois, who also serves as a pediatric inpatient unit volunteer at the UI Stead Family Children's Hospital and who is a research assistant at the College of Nursing says, "I was most impressed with how the students responded to our comprehension questions about the book, *My Hero, My Dad, The Nurse*. They understood the main points that were conveyed such as, you can be anything you want to be and that age, gender, or ethnicity shouldn't affect your dreams."

Orlando Hammond, a first-generation nursing interest major from Aurora, Illinois, agrees. "Throughout the presentation and activities, I saw kids laughing, having fun, soaking up our answers, and asking about hand washing. The thing that hit me the most is hearing kids say, 'I want to be nurse now!' disregarding race, sex, and socioeconomic status. It was very

nice to see a huge impact on them," says Hammond.

Each CONNECTS session ended with a certificate of appreciation being given to the school's principal to formally mark their connection to the College of Nursing via CONNECTS.

Weber Elementary School Principal Yaa Appiah-McNulty said, "My teachers and I absolutely loved the presentation provided by Valerie and the UI students. Thank you for teaching them about the field of nursing, answering questions about college, and ensuring that they know that in order for dreams to come true- they will need to take ACTION!"

Kirkwood Elementary School Principal Anita Gerling said, "The students really enjoyed the presentation and learned a lot!"

CONNECTS is in the process of planning for the 2018-2019 academic year to not only target new schools, but also develop a follow-up session for the schools visited in spring 2018. CONNECTS supports the College of Nursing's strategic plan to develop targeted partnerships that expand learning experiences and collaborative relationships with educational settings in local communities and it also reinforces the American Association of Colleges of Nursing's (AACN) commitment to developing a future diverse nursing workforce with civic readiness and engagement. To learn more about CONNECTS, contact [valerie-garr@uiowa.edu](mailto:valerie-garr@uiowa.edu).

## GRADUATE PRACTICE PROGRAMS

The College of Nursing's pediatric nurse practitioner acute care (PNP-AC) program has engaged in a collaborative with the nursing program from the University of Nebraska Medical Center (UNMC). The expertise of the Iowa faculty provides the needed context to frame the essential content related to management of the acute care pediatric clients. This innovative collaborative allows all institutions to provide a robust curriculum to students while effectively capitalizing on available PNP-AC faculty resources to meet the needs for expanding clinical roles across the Midwest. The College of Nursing

has also formed a similar collaborative beginning in summer 2018 with Nemours Hospital in Delaware.

Driven, diverse, and dedicated. Iowa nursing students are some of the best in the nation, and we are proud that they've decided to pursue their goals with us. Let us give you an introduction to some of the successfully defended projects in the graduate practice programs.



**LOREEN CURLEY (DNP '18)**  
INCREASING COLORECTAL CANCER  
PREVENTIVE SCREENING RATES  
**CHAIR:** Kerri Rupe, DNP, ARNP, FNP-C,  
COHN-S, FAANP

The focus was on improving patient education and awareness on what colorectal cancer was and strategies for patients to get screened. Curley created a screening tool that helps healthcare providers focus on the needs specific to the patient during the clinic visit. The screening tool helped improve screening rates in the clinic by 80% in a three-month period. She is currently working with Susan Van Cleve, DNP, RN, CPNP-PC, PMHS, FAANP, to publish the results.



**KATIE HALBMAIER (DNP '18)**  
PSYCHOGENOMIC QUALITY IMPROVEMENT  
INITIATIVE AT A COMMUNITY MENTAL  
HEALTH CENTER  
**CHAIR:** Tess Judge-Ellis, DNP, ARNP, FAANP

Halbmaier partnered with a psychiatric nurse practitioner and community mental health center in Des Moines, Iowa, to implement pharmacogenomic testing. The Theory of Planned Change was used to implement the intervention, and the entire clinic was involved and committed to the project. There was a six-month intervention period where the nurse practitioner would use the pharmacogenomic test results as a tool to help guide psychotropic medication selection, while still considering other factors such as side effect profiles, route and frequency of administration, patient preferences, and others. They found that in the six months after the intervention period compared to the six months before, overall mental health improved, days and cost of psychiatric hospitalizations decreased, medication compliance remained high while independence in taking the drugs increased, and patients were more likely to attend psychiatric clinic visits with the nurse practitioner.



**TYLER MOELLER (DNP '18)**  
DEPRESSION SCREENING IN OLDER  
ADULTS IN RURAL, SINGLE-PROVIDER  
CLINIC  
**CHAIR:** Kerri Rupe, DNP, ARNP, FNP-C,  
COHN-S, FAANP

Moeller implemented the Patient Health Questionnaire (PHQ) standardized depression screening in an independent, single-provider clinic in rural southeast Iowa where no such depression screening had existed previously. The provider, an internal medicine physician, and Moeller decided to screen patients 65 years of age and older, as many symptoms of depression are mistaken for symptoms of the aging process. Moeller presented evidence-based information on the PHQ to both the provider and staff members, as well as evidence-based flowcharts on how PHQ scores could be correlated with choosing appropriate depression treatment modalities based on depression severity. The provider reported that nearly all patients responded with a positive attitude towards the screening, demonstrating that the PHQ could be a useful tool to get the conversation about depression started.

Theater students work as patients to help train DNP students about interacting with patients.



**Left:** Jennifer Wittman (DNP class of 2019)  
Photo Credit: UI Office of Strategic Communication



**Center:** James Kinney (DNP class of 2021)  
Photo Credit: UI Office of Strategic Communication



**JILL PERMESWARAN (DNP '18)**  
**IMPROVING AUTISM SPECTRUM DISORDER SCREENING: A QUALITY IMPROVEMENT PROJECT**  
**CHAIR:** Susan Van Cleve, DNP, RN, CPNP-PC, PMHS, FAANP

Permeswaran's DNP project strived to increase autism spectrum disorder (ASD) screening by primary care providers (PCPs) in Iowa. The project involved three different aspects. The first aspect was to gain an understanding of current screening practices and to identify barriers PCPs in Iowa face in following the AAP's recommendation. The second aspect was to develop and provide educational sessions for PCPs about ASD, screening recommendations, and referral sources. The final aspect of the project was implementing ASD screening at Mercy Pediatric Clinic, a primary care pediatric practice, in Cedar Rapids, Iowa.



**KRISTIN THAYER (MSN '18)**  
**THE EFFECT OF AN INTERACTIVE WEBSITE ON IVF PATIENTS**  
**CHAIR:** M. Lindell Joseph, PhD, RN

Thayer's CNL project aim was to implement and evaluate evidence-based teaching methods for patients receiving In Vitro Fertilization (IVF) treatment at University of Iowa Hospitals and Clinics (UIHC). Thayer utilized the Quality Improvement Model as a formal approach to enhance patient education, satisfaction, and empowerment by providing an alternate teaching method for IVF patients on the UIHC website.

## U.S. NEWS AND WORLD REPORT RANKINGS

The U.S. News' rankings for the top nursing schools for MSN and DNP degrees are part of the publication's annual "Best Graduate Schools" lists, which recognize the top institutions for several graduate programs, including business, education, law, engineering, nursing, and medicine. The College of Nursing performed well overall in the 2019 edition of graduate program rankings and rose in several nursing specialty from the 2018 edition of rankings. The surveys included ranking indicators measuring each school's quality of academic programs, selectivity, level of research, and peer assessment.

- #2 NURSING SERVICE ADMINISTRATION**
- #7 CLINICAL NURSE LEADER**
- #9 ADULT/GERO ACUTE CARE NURSE PRACTITIONER**
- #10 NURSE ANESTHESIA**
- #12 ADULT/GERO PRIMARY CARE NURSE PRACTITIONER**
- #12 PEDIATRIC NURSE PRACTITIONER (PRIMARY CARE)**
- #15 BEST GRADUATE SCHOOL RANKING – DOCTOR OF NURSING PRACTICE (DNP)**
- #17 FAMILY NURSE PRACTITIONER**
- #27 BEST GRADUATE SCHOOL RANKING – MASTER OF SCIENCE IN NURSING (MSN)**

# NURSING CLINICAL EDUCATION CENTER

The Nursing Clinical Education Center (NCEC) continues to be a place of excitement and growth as healthcare simulation provides an avenue of learning unlike any other. Between our undergraduate and graduate programs, almost 300 students participate in simulation activities annually. In the last year alone, our undergraduate students completed 288 hours of healthcare simulation activities including manikin based simulation, interprofessional activities, and laboratory based stations focusing on building foundational psychomotor skills. Our graduate students have expanded their simulation programs and have formed new collaborations with UI partners including the Department of Theater Arts. This collaboration is among the first of its kind and the partnership has provided a platform for integrating Standardized Patients, the highest fidelity

of healthcare simulation, to give our students the most premier educational experience.

The faculty and staff of the NCEC regularly engage in UI campus and community outreach. This includes hosting events throughout the year with various groups including Project Hope, First Nations, Junior Volunteers, The Summer Health Professions Education Program (SHPEP), and countless tours for prospective students.

Due to the increased use of healthcare simulation, the 20,000 square foot NCEC acquired additional simulation space on the 7<sup>th</sup> floor of the University of Iowa Hospitals and Clinics (UIHC). The additional space is set up like an Intensive Care Unit (ICU) and includes four patient rooms, a nurses station, debriefing

space, and faculty workstations. This expansion was in partnership with the Department of Nursing and Department of Surgery at UIHC. This space will allow for the continued growth of our simulation programs between both the Department of Nursing and the College of Nursing which train a combined 3,000 nurses, nursing students, and nursing assistants annually.

"This is an exciting time for healthcare simulation at the College of Nursing. With our UI partners, we can provide our students an educational experience unlike any other with cutting edge technology and faculty who are the best at what they do," shared April Prunty, MSN, RN, Director of Simulation and Interprofessional Education.

**20,000** OF SIMULATION SPACE HAS BEEN ADDED ON THE **SQUARE FEET** 7TH FLOOR OF UIHC.

**3,000** NURSES, NURSING STUDENTS, AND NURSING ASSISTANTS USE THE NCEC ANNUALLY.

## PRECEPTORS

Thank you to our 410 preceptors, who provide additional training and education to our students. They play a key role in preparing future nurses and advanced practice nurses. The faculty and staff are continually working with program and agency administrators to comply with policies and create opportunities for clinical experiences. This year, in recognition of preceptors' gifts to our students, to our schools, and to the nursing profession, the College of Nursing DNP and CNL programs offered

a continuing education program for preceptors who work with students from the DNP and CNL programs. Dean Julie Zerwic, PhD, RN, FAHA, FAAN, greeted the attendees, extending her gratitude for the preceptors' contributions to the mission and clinical practice of our students from the College of Nursing. Topics covered included Human Trafficking by Celine Viilongco, the Statewide Coordinator of Human Trafficking for Iowa; the Care of Refugee Families; and Health Care for Transgender Adults: Initiating Hormone

Therapy by Francis Kuehnle RN, MSN, lecturer, and Larry Newman DNP, RN, AGPCNP-BC, clinical assistant professor. The conference was coordinated by Larry Newman, DNP, RN, AGPCNP-BC, clinical assistant professor, Susan Van Cleve, DNP, RN, CPNP-PC, PMHS, FAANP, clinical professor, Angela Worrell, MSN, RN, clinical coordinator and Molly James, Administrative Services Specialist for Office of Teaching Services.





PhD students and faculty at PhD Celebration in April 2018

## PHD PROGRAM

The College of Nursing PhD program is the only PhD program in the state of Iowa, and the University of Iowa (UI) is among the elite public institutions who actively engage in nationally funded research and scholarship. Faculty explore, analyze, create, and synthesize knowledge the world has never seen before. They educate and mentor the next generation of nurse scientists to take discoveries made today to higher levels of inquiry and application in order to improve individuals' and communities' health and improve the work environment for nurses delivering care. This past year the PhD program was "home" to twenty-two amazing students. Two of these students, Stephanie Stewart and Kirstin Manges, successfully defended their dissertation research and graduated in May of 2018. In the fall of 2018, three new PhD students will begin the PhD program. These students come to the College of Nursing from the United States and Saudi Arabia.

## CONGRATULATIONS TO OUR PHD GRADUATES!

### STEPHANIE STEWART (PHD '18)

THE EXPERIENCE OF PARENTS DURING THEIR CHILD'S RESUSCITATION AND EXPLORATION OF PARENTAL STRESS AND FAMILY FUNCTIONING AFTER THE EVENT  
**CHAIR:** Sandra Daack-Hirsch, PhD, RN

Stewart is employed by the University of Iowa Hospitals and Clinics (UIHC) as part of the senior leadership team in the Department of Pediatric Nursing, and her presence there as a PhD-prepared nurse will contribute significantly to the College of Nursing award winning academic partnership with UIHC.

### KIRSTIN MANGES (PHD '18)

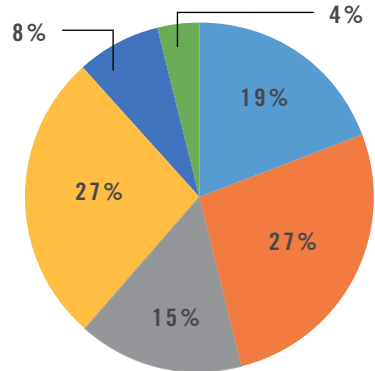
THE INFLUENCE OF HEALTHCARE TEAMS' SHARED MENTAL MODELS ON PATIENT POST-HOSPITALIZATION OUTCOMES  
**CHAIR:** Patricia Groves, PhD, RN

Manges is a postdoctoral fellow at University of Pennsylvania School of Nursing in the highly prestigious National Clinician Scholars Program; she will also participate in the American Academy of Nursing's Jonas Policy Scholars Program.

After graduation, most College of Nursing PhD-prepared nurses are taking postdoctoral positions before moving into tenured faculty positions or moving directly into tenure track faculty positions. However, over the past five years graduates were also employed as nurse executives, non-tenure faculty, non-faculty researchers, and entrepreneurs.

### FIRST JOB AFTER GRADUATION

- Tenure Track Faculty
- Non-Tenure Track Faculty
- Nursing Administration
- Post-doc/Fellow
- Non-Faculty Researcher
- Self-Employed



The UI Nursing PhD program began in 1988 and since then 143 students from all over the world have graduated from the program. The program's global impact is significant because many of these nurses are among the first nurses in their country to earn a PhD. They are elevating the discipline by conducting research and leading changes to their nursing education and healthcare systems to impact the health of their citizens.



**TANNAZ SAEIDZADEH**  
PhD candidate

**Seyedehtanaz (Tannaz) Saeidzadeh**

is currently one of our brilliant international PhD students. She is from Tehran, Iran. After considering PhD programs in the

U.S., Canada, and Australia, Saeidzadeh ultimately chose the UI College of Nursing because she was well matched with faculty whose research is both nationally and internationally remarkable, the PhD director conveyed a welcoming message for international students and a high standard for students in the PhD program, and the College of Nursing had several international students at the time she applied. When asked why a PhD is important to Tannaz she replied, "My goal is to contribute as much as I can to nursing science and research. Unfortunately, Iranian nursing education is based on essentialism and there is

not enough room for creativity. Not many Iranian nurses have graduate degrees or apply for a PhD program abroad. I think the most significant aspect of me getting a PhD for Iran, is the impact that I have as a role model for other nurses." Saeidzadeh is studying quality of life trajectories and self-management behaviors in long term post-treatment cancer survivors.



**ANDREA JIMMERSON**  
MSN, RN, PhD candidate

The United States is facing a critical shortage of PhD prepared nurses who will continue the discipline's legacy of discovery and leadership.

The College of Nursing faculty are passionate about encouraging nurses to earn a PhD sooner rather than later in their professional career. To that end, in 2015 Dean Rita Frantz initiated the Dean's Fellowship Award to incentivize US nurses to earn a PhD. To be eligible

for this award, students must have obtained a BSN within the previous eight years, earned GPA of 3.5 or higher, and demonstrated evidence of research and scholarship. This initiative has been successful in recruiting younger students and students from underrepresented groups! There are currently three Dean's Fellows in the program Clarissa Shaw, Lynn Nakad, and Alejandra Gonzalez in the PhD program. The fourth and final Dean's Fellow, **Andrea Jimmerson**, will begin the PhD program in August, 2018. Jimmerson is from Des Moines, Iowa. She is a first-generation college student who began her nursing career by earning her associate's degree. She subsequently earned a BSN and MSN. Along the way she found time to create and continues to lead a non-profit organization whose mission is to decrease health disparities on the Pine Ridge Indian Reservation in South Dakota. Her dissertation research topic is health disparities among vulnerable populations and its intersection with culturally competent nursing care.

# RESEARCH & SCHOLARSHIP

The UI College of Nursing fosters an environment in which faculty, postdoctoral fellows, and students conduct innovative, patient-centered research and scholarship through partnerships with interdisciplinary teams and stakeholder engagement throughout the state. Through assistance from the Office for Nursing Research and Scholarship (ONRS), research infrastructure at the College of Nursing supports faculty, postdoctoral fellows, and students, and positions them to address high-priority health issues.

## RESEARCH HIGHLIGHTS FOR FY 2018

### IMPROVING THE LIVES OF ADULTS WITH MULTIPLE CHRONIC CONDITIONS

The College of Nursing is in the final stages of becoming an NIH-funded Exploratory Center of Excellence. Funding from the National Institute of Nursing Research (NINR) at the NIH will establish the University of Iowa Center for Advancing Multimorbidity Science (CAMS). Directed by College of Nursing Professors **Sue Gardner**, PhD, RN, FAAN and **Barbara Rakel**, PhD, RN, FAAN, this Center aims to support research that profiles patient risk and symptom expression in order to support the future

development of customized therapies for adults with multiple chronic conditions.

Given that patients often present at clinic visits with not just one but multiple chronic conditions, addressing multimorbidity in healthcare has emerged as a national priority. Multimorbidity science entails a shift in clinical practice from a single disease focus to an approach that addresses multiple symptoms and chronic conditions within patients' social and biological contexts.

CAMS proposes to use a multifactorial approach to nursing research by linking

nurse scientists with experts using advanced, computationally intensive analytic methods that can detect patterns and identify patient profiles from the unique constellation of symptoms and conditions represented by each patient. CAMS will focus on providing infrastructure and resources to new investigators concentrating on two emerging fields of study: Multimorbidity Science and Symptom Science. Through this work, clinicians and scientists will ultimately be able to identify persons more likely to develop specific conditions and symptoms, and respond with customized therapies.

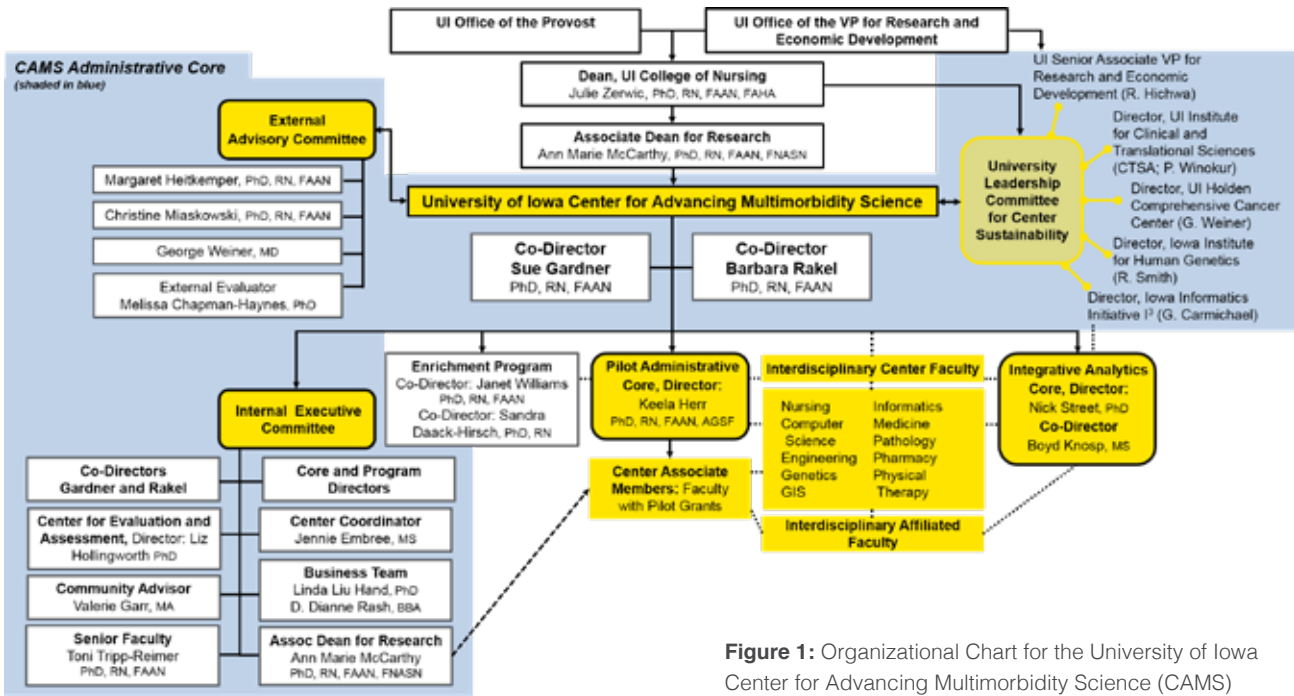


Figure 1: Organizational Chart for the University of Iowa Center for Advancing Multimorbidity Science (CAMS)





**Sue Gardner,** PhD, RN, FAAN, professor, is a nationally recognized expert in wound healing, wound infection, and the wound microbiome. She has been continuously

funded as a Principal Investigator by various federal grants for more than 17 years. Gardner uses clinical research approaches to collect and archive wound specimens and then analyze the relationship between the wound microbiome (the microorganisms present in the wound) and patient outcomes and healing. This work provides the foundation for tailoring treatments for patients based on their wound characteristics. Gardner has developed and used clinical prediction models to customize therapies, identify risk profiles for pain and chronic wound care, and create profiles for treatment responsiveness. Her work is critical to informing national clinical practice guidelines for wound care and for customizing pain management strategies for adults with open wounds.



**Barbara Rakel,** PhD, RN, FAAN, professor, is a nationally recognized expert in pain management in older adults using non-pharmacologic strategies.

Her extensive background in acute care reinforces her expertise in pain assessment and management. Rakel's research has helped distinguish the differences between resting and movement-evoked pain. This novel approach changed the direction of pain research, prompting research to shift towards understanding biological mechanisms of pain. Rakel has extensively researched the use of non-pharmacological supplemental treatments for the prevention and control of movement-evoked pain and disability. Her research also helps to identify patients at risk of chronic acute pain, and ultimately the risk of opioid use, which has led to developing customized therapy to control pain. Her work has led to creation of risk profiles for patients with chronic and acute pain, and helped treat patients

with chronic musculoskeletal pain due to conditions such as osteoarthritis, low back pain, and fibromyalgia.

### REVISION OF THE IOWA MODEL OF EVIDENCE-BASED PRACTICE

The Iowa Model for Evidence Based Practice, a framework that guides clinicians in the steps of implementing research into clinical practice, was first published in 2001. Since then, the Iowa Model has become an internationally recognized framework that is widely used in clinical settings and is a mainstay in educating nursing students about evidence based practice. As the model approached its 17<sup>th</sup> year in use, its authors recognized a need to update in order to accommodate changes in healthcare and the emergence of fields like implementation science. Authored by the Iowa Model Collaborative and published in *Worldviews on Evidence-Based Nursing*, the authors of the 2017 revision are shown in Figure 2.



**KATHLEEN BUCKWALTER**  
PhD, RN, FAAN



**LAURA CULLEN**  
DNP, FAAN



**KIRSTEN HANRAHAN**  
DNP, ARNP



**CHARMAINE KLEIBER**  
PhD, RN, FAAN



**ANN MARIE MCCARTHY**  
PhD, RN, FNASN, FAAN



**BARBARA RAKEL**  
PhD, RN, FAAN



**VICTORIA STEELMAN**  
PhD, RN, FAAN



**TONI TRIPP-REIMER**  
PhD, RN, FAAN



**SHARON TUCKER**  
PhD, RN, FAAN

**Figure 2:** Members of the Iowa Model Collaborative. Citation: Iowa Model Collaborative. (2017). Iowa model of evidence-based practice: Revisions and validation. *Worldviews on Evidence-Based Nursing*, 14(3), 175-182.

## IMPROVING HEALTHCARE USING TECHNOLOGY IN COLLABORATION WITH THE UNIVERSITY OF IOWA HOSPITALS AND CLINICS

The Office for Nursing Research and Scholarship (ONRS), overseen by the associate dean for research and the ONRS director, provides a central resource to facilitate research and scholarship. The office provides support with pre-award identification of funding sources and budget and grant proposal development as well as post-award administration and budget monitoring. In addition, a statistician, a data manager, and a technology innovations scientist are on staff to assist with sample size calculations and other statistical analyses, cleaning and managing data, extracting data and building custom computer and mobile applications.

Through a long-standing collaborative agreement, the ONRS supports research both at the College of Nursing and at the University of Iowa Hospitals and

Clinics (UIHC) Department of Nursing. In FY 2018, this collaboration led to the launch of two innovative technological applications. The first, *Distraction in Action™*, is a web-based program built upon a comprehensive predictive model for identifying children at risk for pain. The model was developed using data mining techniques that were applied to data collected by **Ann Marie McCarthy**, PhD, RN, FNASN, FAAN, professor and associate dean for research, in a 10-year NIH-funded grant in which she and collaborators, **Charmaine Kleiber**, PhD, RN, FAAN, and **Kirsten Hanrahan**, DNP, ARNP, conducted a multi-site randomized clinical trial that measured how distraction reduces children's discomfort during painful medical procedures. The *Distraction in Action* application is now housed on the UI Stead Family Children's Hospital website: <https://uichildrens.org/distraction-in-action>.

The second application is an electronic tool for collecting measures of hospital-

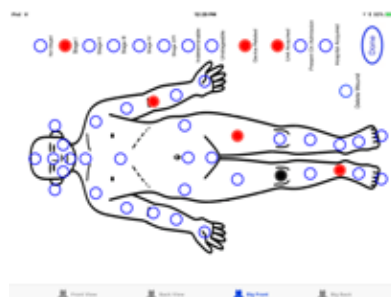


acquired pressure injuries (HAPI) data at the bedside. All hospitals are required to provide HAPI reports for all inpatients and gathering the data to provide regular, accurate reports

is labor-intensive. ONRS technology innovations scientist **Todd Papke**, PhD, worked with the Wound Ostomy Nurses and the Skin Team Advocate and Resource (S.T.A.R.) Shared Governance Committee at UIHC to develop and pilot test an iPad application that allows nurses to quickly indicate the locations of pressure injuries by tapping on a diagram of a body on the iPad screen. Data are aggregated across patients in a unit and can be tracked by unit on a dashboard. The application also provides a streamlined way for nurses to submit the data for reporting purposes.



**FIGURE 3A:** The web-based *Distraction in Action™* tool. Hanrahan, K., Kleiber, C., Miller, B.J., Davis, H., McCarthy, A.M. (2018). *The Distraction in Action Tool©: Feasibility and Usability in Clinical Settings*. *Journal of Pediatric Nursing*, 41, 16-21.



**FIGURE 3B:** An electronic application developed by Papke to support nurses in bedside reporting of hospital acquired pressure injuries (HAPI). Data are entered and aggregated electronically.

Unit	1. HAPI	2. HAPI	3. HAPI	4. HAPI
1. HAPI	04 - 0 number of patients on unit	04 - 0 number of patients on unit	04 - 0 number of patients on unit	04 - 0 number of patients on unit
2. HAPI	04 - 0 number of patients on unit	04 - 0 number of patients on unit	04 - 0 number of patients on unit	04 - 0 number of patients on unit
3. HAPI	04 - 0 number of patients on unit	04 - 0 number of patients on unit	04 - 0 number of patients on unit	04 - 0 number of patients on unit
4. HAPI	04 - 0 number of patients on unit	04 - 0 number of patients on unit	04 - 0 number of patients on unit	04 - 0 number of patients on unit
5. HAPI	04 - 0 number of patients on unit	04 - 0 number of patients on unit	04 - 0 number of patients on unit	04 - 0 number of patients on unit
6. HAPI	04 - 0 number of patients on unit	04 - 0 number of patients on unit	04 - 0 number of patients on unit	04 - 0 number of patients on unit
7. HAPI	04 - 0 number of patients on unit	04 - 0 number of patients on unit	04 - 0 number of patients on unit	04 - 0 number of patients on unit
8. HAPI	04 - 0 number of patients on unit	04 - 0 number of patients on unit	04 - 0 number of patients on unit	04 - 0 number of patients on unit
9. HAPI	04 - 0 number of patients on unit	04 - 0 number of patients on unit	04 - 0 number of patients on unit	04 - 0 number of patients on unit
10. HAPI	04 - 0 number of patients on unit	04 - 0 number of patients on unit	04 - 0 number of patients on unit	04 - 0 number of patients on unit

**FIGURE 3C:** Papke's electronic HAPI reporting application can also provide a dashboard summary of aggregated HAPI data for different units within the hospital.

## UPDATES ON COLLEGE OF NURSING RESEARCH PROGRAMS AND CENTERS

The College of Nursing's NIH-funded **Pain and Associated Symptoms: Nurse Research Training program** (College of Nursing Pain T32, co-Directors **Keela Herr**, PhD, RN, AGSF, FGSA, FAAN, professor and associate dean for faculty and **Ann Marie McCarthy**, PhD, RN, FNASN, FAAN, professor and associate dean for research; <https://nursing.uiowa.edu/research/pain->

research) is in its seventh year of funding and is currently preparing two predoctoral and two postdoctoral trainees to conduct research on pain. Also directed by Herr is the UI Center for Excellence in Pain Education (CoEPE), currently in its third of five years of funding from NIH. There are 11 CoEPEs across the nation and each is charged with developing electronic,

interactive case-based modules to educate providers in best practices for pain assessment and treatment. The UI CoEPE has produced three modules: *Acute Injury Farm Accident with Chronic Pain*, *Older Adults with Frozen Shoulder*, and *Older Adult Undergoing Total Knee Arthroplasty*.

**The Iowa Geriatric Education Center** (<https://igec.uiowa.edu>) is housed at the College of Nursing and continues to focus on workforce development by training providers across the nation each year in best practices for integrating geriatrics into primary care. In addition, the **Csomay Center for Gerontological Excellence** (<https://nursing.uiowa.edu/csomay>), funded by a generous donation from Barbara and Richard Csomay and their family, in FY 2018 provided funding for several faculty and students for pilot research and travel.

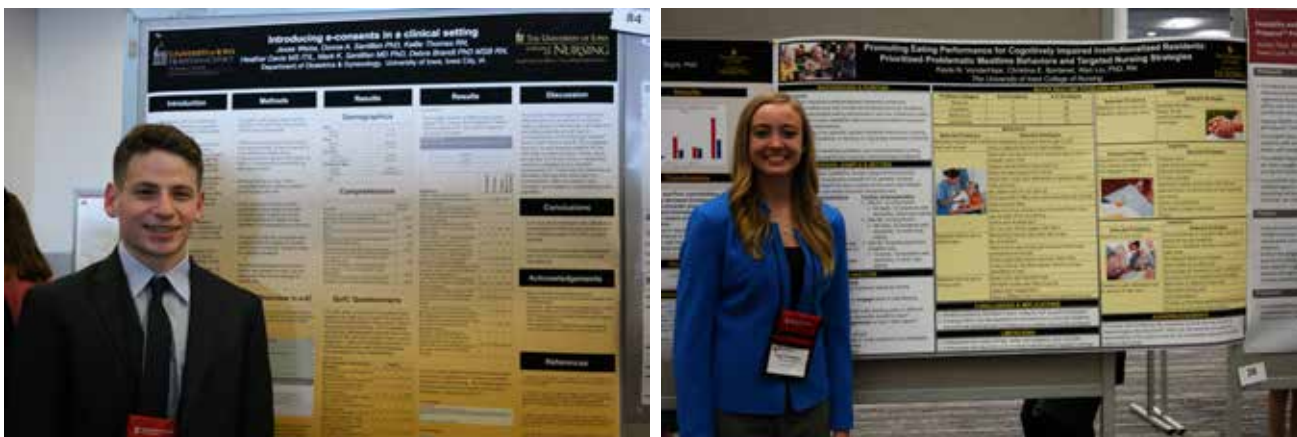
The College of Nursing is in its final year of funding from the Substance Abuse and Mental Health Services Administration (SAMHSA) for **Screening, Brief Intervention and Referral to Treatment: Training Iowa Preceptors and Students (SBIRT-TIPS)**. Led by **Marianne Smith**, PhD, RN, FAAN, associate professor, this program has trained primary care nurse practitioner and physician assistant students to deliver an early-intervention approach to identify, reduce and prevent problematic drug and alcohol use ([http://iconsortium.subst-abuse.uiowa.edu/Projects/SBIRT\\_TIPS.html](http://iconsortium.subst-abuse.uiowa.edu/Projects/SBIRT_TIPS.html)). In FY 2018, findings were presented at the Iowa

Governor's Conference on Public Health, an annual Nurse Practitioner Conference, and through a national webinar on implementing SBIRT into the primary care setting. The 138 audience members included registered nurses, social workers, and medical assistants from medical centers across the country.

The College of Nursing has continued to grow its **Young Scientist Program**. In existence since 2000, this program is funded by a generous donation from **Nancy Stence Creason** and seeks to support undergraduate nursing students pursuing research projects. It supports one year of mentored research experience, including attendance at a conference (<https://outreach.uiowa.edu/program/young-scientist-program>). Since its inception, the Young Scientist Program has supported 57 undergraduate nursing students in pursuing research projects.

In FY 2018, Young Scientists **Jesse Weiss** (BSN class of 2020) and **Kayla VonderHaar** (BSN class of 2020) presented their work at the 2018 Midwest Nursing Research Society (MNRS) conference in Cleveland, Ohio. Weiss is from Glen Rock, New Jersey. He worked

with faculty members from the Carver College of Medicine: Mark Santillan, MD, PhD, FACOG, FAHA, associate professor, Donna Santillan, PhD, research associate professor, and Debra Brandt, PhD, MSB, RN, research assistant professor, on his research project titled "*Introducing e-consents in a clinical setting.*" Weiss proposed a way for patient consents to be collected electronically. This increases opportunities for individuals to participate in research studies because they can give their consent to participate even if they are admitted to the hospital at a time when research staff are not on site. VonderHaar is from Quincy, Illinois and her presentation was titled, "*Promoting Eating Performance for Cognitively Impaired Institutionalized Residents: Prioritized Problematic Mealtime Behaviors and Targeted Nursing Strategies.*" For her project, VonderHaar worked with **Wen Liu**, PhD, RN, assistant professor, to study eating behavior in older adults in nursing homes in order to develop the effective strategies for ensuring adequate food intake. After MNRS, VonderHaar also presented this work in July 2018 at the Alzheimer's Association International Conference.



**Figure 4:** BSN students and Young Scientists members, Jesse Weiss and Kayla VonderHaar, present their research projects at the 2018 conference of the Midwest Nursing Research Society in Cleveland, Ohio. The Young Scientist Program is supported by a generous donation from Nancy Stence Creason.

# AREAS OF RESEARCH EXCELLENCE

Research at the College of nursing is framed by three Areas of Excellence: **Pain, Palliative Care and Symptom Management; Gerontology;** and **Health Systems Improvement**. The Areas are supported by additional *Emerging Areas of Expertise* (chronic condition management and health promotion in at-risk populations) and *Cross-cutting Approaches* (applied -omics, health information technology, and community outreach). College of Nursing faculty, in collaboration with interdisciplinary colleagues, conduct research that tackles high priority healthcare questions (see Appendix A for a list of funded projects that were active in FY 2018). The following are examples of faculty research in each of the three Areas of Excellence. These Areas will support and guide the research sponsored by the new Center for Advancing Multimorbidity Science by leveraging additional resources and unique collaborative opportunities for research at the College of Nursing and throughout the university.

## PAIN, PALLIATIVE CARE, AND SYMPTOM MANAGEMENT

Faculty at the College of Nursing are international leaders in developing approaches to evaluate symptoms and interventions to support pain and symptom management. College of Nursing faculty lead interdisciplinary teams to improve quality of life for individuals suffering symptom burden across the life span.

### How does pain during pregnancy affect mothers and infants after delivery?



Postdoctoral fellow, **Julie Vignato's** research focuses on maternal pain and perinatal depression and other associated risk factors for adverse infant outcomes.

Depression and

pain during pregnancy share direct physiological pathways in the body's pain response system. Treatment effectiveness for depression is reduced among adults who have pain while pain interference with daily activities can increase the effects of depression. Vignato's work investigates whether the effects of pain and depression contribute to a poor fetal environment that adversely affects fetal development, with a long-term goal of providing effective precision health interventions for high risk pregnant women. She is also conducting a second line of research in collaboration with Carver College of Medicine faculty member, Mark Santillan, MD, PhD, FACOG, FAHA, associate professor, that is investigating the effects of maternal depression and pain on biomarkers

and biological mechanisms associated with preeclampsia. Vignato's research is funded by grants from Sigma Theta Tau International, National Association of Neonatal Nurse Practitioners, and by an award from the College of Nursing's *Class of 1969 Postdoctoral Scholarship Fund*.

## GERONTOLOGY

Gerontology focuses on issues surrounding older adults and how their families and communities can support healthy aging, maximum functioning, and quality of life. College of Nursing faculty promote innovative models of healthcare for older adults residing in a variety of settings; prepare students to promote wellness, prevent illness and manage acute and chronic health conditions of aging; and advance science in the care of older adults.

### How can a web-based platform help family caregivers and nurses to work together to manage pain in patients receiving home hospice care?



Pain is a highly prevalent symptom in end-of-life care and inadequate pain management is associated with physical and psychological suffering as well as functional decline in patients. The research

work by **Nai-Ching (Allison) Chi**, PhD, RN, assistant professor, aims to provide support and education to family caregivers providing home hospice care. Family caregivers often have inadequate

knowledge and face other barriers to managing their loved one's pain and they use hospice nurses as a primary resource for learning about pain management strategies. Chi is developing **HOspice Pain-management Enhancement (HOPE)**, a web-based, interactive platform to help hospice nursing staff to tailor pain management education to the needs of family caregivers and for caregivers to track pain medications and receive consultation from nurses. The goal of HOPE is to help caregivers overcome caregivers' pain management barriers and to improve health outcomes of patients receiving hospice care at home. Chi is funded by the Woodrow and Mary Morris Gerontology Research Award for Faculty.

## HEALTH SYSTEMS IMPROVEMENT

Health systems-level initiatives and strategies aim to improve the institutions and resources surrounding healthcare providers in order to support the improvement, rehabilitation or maintenance of their own health and that of their patients. College of Nursing faculty work to promote better health systems through improvements in healthcare quality, provider and patient safety and efficiency, and promotion of evidence based practice.

### When and for whom do healthcare providers activate Rapid Response Systems?

Rapid Response Systems (RRS) are activated when patients are clinically deteriorating and require medical intervention. Appropriate RRS activation saves lives and prevents patients from needing to be transferred to intensive care; however, little is known about how



the decision to deploy RRS is made. **Jacinda Bunch**, PhD, RN, associate faculty, studies the conditions surrounding the activation of Rapid Response Systems (RRS),

including the context, mechanisms, and resultant clinical outcomes when RRS are activated. Bunch's work has identified the patients receiving RRS interventions who are more likely to require higher levels of care, to have respiratory symptoms that influence their recovery, and to have been admitted from the ER. Her work also investigates the crucial role of nurse decision-making in RRS activation and seeks to identify clinical assessments and monitoring strategies to promote optimal patient outcomes. Bunch's work is funded by Sigma Theta Tau-Gamma Chapter.

### CROSS-CUTTING APPROACHES AND EMERGING AREAS OF EMPHASIS

College of Nursing faculty employ a variety of cross-cutting approaches: -Omic sciences linking health, illness, and the environment from molecules to individuals to populations; Health Information Technology for monitoring and measurement of patient behaviors; and Community Engagement for building capacity to promote patient-centered research and outreach. Faculty are also committed to improving health and wellness to prevent illness and comorbidities across health conditions, settings, and the lifespan and to promote long-term health and healthy behaviors in minority, vulnerable, or underserved populations.

#### How do chronic illnesses affect sleep, cognition and brain structures?

**Chooza Moon**, PhD, RN, assistant professor, studies how sleep and cognition change during the course of chronic conditions like coronary artery disease (CAD) and coronary heart disease (CHD) in older adults. CAD is the most prevalent cardiovascular disease in older adults and is linked to cognitive impairment



and dementia. CAD is also linked to sleep difficulties, which may be related to the changes in cognition observed with CAD. CHD is another leading cause of death

among middle-aged and older adults in the U.S. that is also linked to cognitive impairment. Moon is working to correlate neuroimaging data (scans of blood flow in the brain) with patients' sleep and cognitive performance to investigate how sleep, cognition, and brain structures are affected by chronic diseases like CAD and CHD. Her goal is to design person-centered interventions to maximize cognitive and functional performance among older adults who have multiple health problems. Moon's work is funded by an internal pilot grant from the University of Iowa's Aging Mind and Brain cluster initiative as well as a grant from the Barbara and Richard Csomay Center for Gerontological Excellence.

#### How can we improve quality of life using nutritional interventions?



**Ruth Grossmann**, PhD, RN, assistant professor, evaluates the effect of micronutrients (e.g., vitamins and minerals) and dietary interventions in hospitalized

and community-living individuals. With expertise in neuroscience, critical care nursing, clinical nutrition and metabolomics, Grossmann is interested in the role that micronutrients play in patients' health and recovery from acute and chronic illnesses. In patients with multiple sclerosis, she has studied how dietary adjustments can improve quality of life, decrease fatigue, and affect inflammatory and metabolic biomarkers. In patients with cystic fibrosis and arthritis, she has shown that dietary supplementation can decrease

arthritis-induced pain, improve mobility, improve depression, and provide better quality of life. Grossmann is funded by a career development award from the NIH as well as grants from the Cystic Fibrosis Foundation and, most recently, the Day Family Grant, which will fund the addition of genomic analyses to her metabolomics analyses on effects of a paleolithic diet.

#### How can we effectively combat maternal depression in underserved mothers?



As a clinical services researcher in the area of perinatal depression, **Lisa Segre**, PhD, associate professor, has an extensive background

working with ethnically diverse, underserved, and vulnerable populations. Her research has focused on perinatal mental health, leading to the development and evaluation of maternal depression screening and treatment programs for low income and ethnic minority women. Segre has expertise in evaluating the effectiveness of depression treatment delivered at point-of-care, often in community-based settings. Her research focus on depression and anxiety in postpartum women has led to development of effective tools to combat the cascade of sociodemographic factors increasing the risk of depression. Segre is the President-Elect of the International Marcé Society of Perinatal Mental Health and her work is funded by the Iowa Department of Public Health.

## RESEARCH FUNDING AND SCHOLARLY PRODUCTIVITY

In FY 2018, research at the College of Nursing was supported by a diverse portfolio of sponsors, including NIH and other federal and nonfederal agencies. A complete list of funded grants in active status during FY 2018 is available through the ONRS.

In FY 2017, faculty, postdoctoral fellows and students at the College of Nursing submitted a total of 39 grant proposals. Of

the 14 applications submitted to NIH/AHRQ, eight (57%) were scored, indicating they were judged to be in the top 50% of proposals received. Of these, four were funded (29% success rate). The four proposals that were submitted by student PI's had a 50% success rate.

### NEW GRANT APPLICATIONS BY FACULTY & POSTDOC FELLOWS FOR FY 2017

Grant Sponsor	Number of Grants Submitted	Number of Grants Funded	% Funded
National Institutes of Health (NIH and AHRQ)	14	4	29%
Other Federal (e.g., HRSA, PCORI, Dept. of Justice)	2	1	50%
Other External, non-Federal (e.g., RWJF, AHA)	17	8	47%
Industry Sponsored	0	0	0%
Internal (Univ. of Iowa)	6	5	83%
<b>Total</b>	<b>39</b>	<b>18</b>	<b>46%</b>

Faculty, postdoctoral fellows and students at the College of Nursing submitted a total of 50 grant proposals in FY 2018. Of the 15 applications submitted to NIH/AHRQ, seven (47%) were scored, indicating they were judged to be in the top 50% of proposals received. Of these, four have been funded (27% success rate) and the rest are currently awaiting a funding decision.

### NEW GRANT APPLICATIONS BY FACULTY & POSTDOC FELLOWS FOR FY 2018

Grant Sponsor	Number of Grants Submitted	Number of Grants Funded	% Funded
National Institutes of Health (NIH and AHRQ)	15	4	27%
Other Federal (e.g., HRSA, PCORI, Dept. of Justice)	4	2	50%
Other External, non-Federal (e.g., RWJF, AHA)	16	7	44%
Industry Sponsored	2	1	50%
Internal (Univ. of Iowa)	13	9	69%
<b>Total</b>	<b>50</b>	<b>23</b>	<b>46%</b>

*\*Grant status is pending as of September 14, 2018; additional funding decisions are expected in fall 2018.*

## FUNDED PROPOSALS SUBMITTED BY PHD STUDENTS



**Kirstin Manges** (PhD '18, faculty advisor **Patricia Groves**) was funded to conduct postdoctoral work through the National Clinician Scholars Program. Manges is also an American

Academy of Nursing Jonas Policy Scholar. As a PhD student, Manges was a VA National Quality Scholars Predoctoral Nurse Fellow at the Iowa City VA Medical Center. Her dissertation was titled "The Influence of Healthcare Teams' Shared Mental Models on Patient Post-Hospitalization Outcomes" and her hometown is Petoskey, Michigan.



**Sohyun Kim** (PhD candidate, faculty advisor **Sandra Daack-Hirsch**) received a Stanley Award in March 2018 for International Research from the University of Iowa Office

of International Programs to support her travel to Korea in summer 2018 to conduct her dissertation research investigating "Dementia Korean Family Caregiver Needs on Informational Supports." Kim studies caregiver burden in persons caring for individuals with dementia. She hopes to identify ways to support and reduce burden among caregivers, including providing knowledge and support to those caring for their loved ones at home. Kim's hometown is Seoul, Korea.



**Lynn Nakad** (PhD candidate, faculty advisor **Barbara Rakel**) is a predoctoral fellow on the Pain T32-funded training program. In May 2018, Nakad received a Mayday Fund

Scholar Research Grant from the National Hartford Center for Geriatric Nursing Excellence to conduct her research titled "Attitudes of Older Adults with Chronic Low Back Pain towards Immersive Virtual Reality Distraction Therapy." Ultimately, Nakad hopes to employ Virtual Reality as a nonpharmacologic means to manage chronic pain in older adults. Nakad's hometown is Racine, Wisconsin.

The strong efforts towards research at the College of Nursing led to the University of Iowa College of Nursing being ranked 40<sup>th</sup> in the nation for NIH research funding among Colleges of Nursing in 2017 (Blue Ridge Institute for Medical Research). The Office for Nursing Research and Scholarship will continue to work towards achieving Goal 3 of the collegiate strategic plan to "Advance the Quality and Quantity of Research and Scholarship to Achieve Top 20 Ranking by NIH."

College of Nursing faculty, staff, and students continue to make strong contributions to scientific and clinical published literature. In calendar year 2017, College of Nursing faculty, including Associate, Tenure, and Clinical Track faculty, and College of Nursing students published 110 scholarly works, including articles, book chapters, and other scholarly products such as evidence-based guidelines. In the first half of year 2018, 47 scholarly works have been produced. A complete list of funded grants in active status during FY 2018 is available through the ONRS.

### PUBLICATIONS BY COLLEGE OF NURSING FACULTY AND STUDENTS, JANUARY-DECEMBER 2017

Type of Publication	Number
Journal article	105
Book chapters	4
Other scholarly products	1
<b>Total</b>	<b>110</b>

### PUBLICATIONS BY COLLEGE OF NURSING FACULTY AND STUDENTS, JANUARY-JULY 19, 2018

Type of Publication	Number
Journal article	46
Book chapters	1
Other scholarly products	0
<b>Total</b>	<b>47</b>

### SUMMARY OF RESEARCH & SCHOLARSHIP

College of Nursing faculty, staff, and students in FY 2018 conducted research in high priority areas of national need, including pain assessment and management, gerontological nursing, and improving healthcare delivery. In the coming year, the College of Nursing will build upon its strengths and work towards developing a center to integrate multimorbidity and symptom science and creating an infrastructure to support advanced analytical approaches that lead to precision healthcare for patients with complex conditions.



L to R: Angela Guerrero, Maggie Kjeld, Rachael Hall, Allison Weis, Eliza Miller, Stephanie Gilbertson-White, Isabella Penniston, Austin Witt

## LEARNING FROM EACH OTHER

### INDIA WINTERIM COURSE: PAIN, PALLIATIVE CARE, AND HOSPICE

Eight undergraduate Nursing/pre-Nursing students and twelve students from other health disciplines including Pharmacy, Social Work, Human Physiology, Radiation Sciences, and Global Health traveled to Trivandrum, India, this past winter to complete an intensive course on palliative care.

The students, some of whom had never been abroad before, worked with Pallium India, a non-governmental organization, for nearly three weeks focusing on clinical services for pain management, providing education, and extending advocacy. During their free time, students enjoyed life-changing cultural experiences which included attending a Carnatic music festival, learning about and watching Indian films at a local film school, and visiting an elephant sanctuary.

The course, organized and taught jointly by Stephanie Gilbertson-White, PhD, ARNP, assistant professor (College of Nursing), Kshelle Lockman, PharmD, MA, clinical assistant professor

(College of Pharmacy), and Ann Broderick, MD, MS (Carver College of Medicine), is run in collaboration with Pallium India. The course provided an immersive study abroad experience featuring inter-professional learning, engagement, diversity, and cross-cultural understanding. It challenged the students to strengthen their communication and problem solving skills while working alongside people from different backgrounds.

Gilbertson-White noted that, "In the American health care system, it's easy to get caught up in the latest drugs, interventions, and technologies. Working with students at Pallium reminded me that it's easy to overlook the impact that high quality basic care can have on patients. Paying close attention to hygiene, range of motion, nutritional status, and addressing loneliness goes a long way to alleviate suffering no matter where you practice. Living and working in India was an intense experience to be sure, but an affirmative and life changing one as well. For me the

highlight of the trip was getting to know this fantastic group of people. Working side by side with the students, the other faculty, and the Pallium staff for close to three weeks reconnected me with my love of teaching. I can't wait to take another group of inter-professional students to India next year."

This is the eighth time that College of Nursing faculty have taken students to India to learn about pain and palliative care. The University of Iowa is increasingly recognizing the opportunity provided by academic programs that take place outside of the United States. For the first time since our initial cohort of students traveled to India in 2000, The University of Iowa welcomed Dr. Rajagopal from Pallium India to Iowa City on September 17<sup>th</sup> and 18<sup>th</sup> for a series of talks across campus on health-related suffering and the impact of the opioid crisis on global health. The College of Nursing supports cultivating this partnership to improve the quality of global experiences available to nursing students.



**RACHAEL HALL**

(BSN CLASS OF DEC 2018)

*Traveling to India gave me a greater appreciation of our healthcare system and resources here in the U.S. Learning about palliative care from Dr. Raj and all of the wonderful family at Pallium instilled in me a deeper sense of compassion at all stages of life, a stronger sense of community, and an understanding of the resilience these people practice each day in order to create change in their community. India and the people I met there will forever be close to my heart.*

*The India Winterim was a transformative learning experience. For three weeks I was*

*immersed in a different culture than my own. It was incredible to get to learn about pain and palliative medicine in a different setting and see the amazing care that the providers give to their patients. Dr. Raj said, "good treatment is not much if good care is not there." Seeing the Pallium staff model compassionate care inspired me and gave me hope to be able to offer that same kind of care to future patients.*

**AUSTIN WITT**

(BSN CLASS OF DEC 2018)

*I was very proud to travel to India to be part of an interdisciplinary team that is working to combat the growing concern of antibiotic resistance. Providing education and possible solutions to the team made me realize how much I have to offer as an undergraduate student.*

*The highlight of the course for me was being able to experience healthcare in a different cultural setting. Not only did I get the opportunity to observe practices in Indian healthcare, but gained new knowledge along the way to bring back and apply to my current practice. I personally left this experience knowing that I imparted some of my knowledge on Pallium staff for them to add into their current practices. It was a sharing of knowledge across cultural and language barriers.*

**MAGGIE KJELD**

(RN-BSN CLASS OF DEC 2018)

**ANGELA GUERRERO**

(PRE-NURSING CLASS OF DEC 2020)



L to R: Maggie Kjeld and Elly Sourwine



Front (L to R): Isabella Penniston, Elly Sourwine, Eliza Miller  
Back (L to R): Rachael Hall, Angela Guerrero, Stephanie Gilbertson-White, Maggie Kjeld, Allison Weis, Austin Witt

# UPDATE: HAWKEYES IN HAITI



Andrea Achenbach, far left, and Amany Farag, fourth from right, at the Lundi clinic

Over the past year, with the support and funding of the Code Family Foundation, College of Nursing faculty members, Amany Farag, PhD, RN, assistant professor and Andrea Achenbach, DNP, ARNP, FNP-C, clinical assistant professor and Tippié College of Business faculty member, Dimy Doresca, MS, Director of Institute for International Business, have collaborated with the University of Jeremie Lundi Medical Clinic staff to improve primary care in the community of Jeremie.

Critical to the success of the project is the teamwork and collaboration among all the partners to ensure the sustainability of the interventions implemented. Farag shared her health care systems expertise and assisted the Lundi Clinic administrative team with streamlining their patient charting process. In the next year, Farag is planning to help Lundi Clinic transition to an electronic medical record (EMR), which will be utilized to monitor care and track health outcomes for the Lundi Clinic. Doresca worked directly with the Lundi Clinic medical director to ensure that the goals established by the medical clinic team is congruent with sustainable business goals. Achenbach continued to work with the leadership of the University of Jeremie and College of Nursing on an appropriate curriculum to train and educate future nursing leaders of Haiti.

The team has shared the developments gathered from practicum site visit in May 2018.

**GOAL 1: In collaboration with the Hawkeyes in Haiti partners, create a self-sustaining healthcare clinic that delivers high-quality, patient-centered primary care to the Lundi orphans and surrounding community.**

**Progress:** The Lundi Clinic is fully staffed for patient care with two physicians, two nurses, one pharmacist, one lab technician, one administrative assistant, and one accountant. The Lundi Clinic welcomed its first patients in February 2018. As of May 2018, they have provided care for 217 residents of Jeremie. Their daily census continues to grow. Each week the Lundi medical staff provides educational sessions open to the community on how to improve their health.

**GOAL 2: Improve the health of the Lundi orphanage through health promotion, training, and education. Clean water system and pumps for orphanage and clinic.**

**Progress:** Completed survey for the well and repaired the damaged cisterns. Pastor Dony reported digging and instillation

of the well will begin in the next couple weeks (June 2018).

**Bathroom and shower facilities for the orphanage**  
**Progress:** Five showers and toilets are under construction.

**Nutrition**  
**Progress:** As of May 2018, funding was obtained to provide two nutritious meals per day as malnutrition continues to be present in the children of Lundi orphanage.

**Sanitary living conditions**  
**Progress:** New mattresses are in place and stored in shipping plastic to suppress the spread of disease until plastic bed liners can be provided.

**House mothers that support the growth and development of the children**  
**Progress:** Twelve new mothers that can read and write have been hired.

**GOAL 3: Create shared learning experience for faculty and nursing students at the University of Iowa College of Nursing and the University of Jeremie College of Nursing.**

**Progress:** Based on the needs of the Jeremie College of Nursing, two educational sessions were conducted for the students on Reproductive Health and Social Determinants of Health. University of Iowa College of Nursing undergraduate students, with assistance of faculty, completed a community health project on the community of Jeremie, Haiti. The students completed a community assessment through interviewing key informants and identified clean water as the most critical and beneficial intervention for Jeremie.

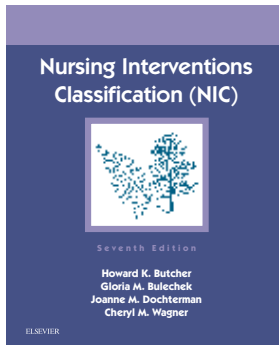
*We are grateful to the Code Family Foundation for their continued support and guidance aimed at improving the lives and health of the Jeremie community.*

# CLASSIFICATION

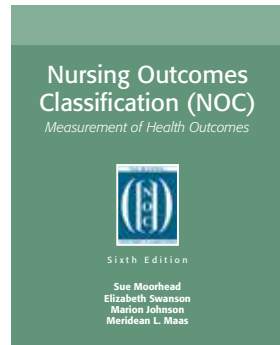
# CENTER

## NIC AND NOC FOR PRACTICE, EDUCATION AND RESEARCH

### NEW EDITIONS



NIC 7TH EDITION



NOC 6TH EDITION

NIC currently has 565 interventions and NOC has 540 outcomes for use in practice, education and research.

### TRANSLATIONS

NIC and NOC classifications have been translated into Chinese (Simplified), Chinese (Traditional), Dutch, French, German, Indonesian, Italian, Japanese, Korean, Norwegian, Portuguese, and Spanish. NIC has also been recently translated into Turkish.



### GROWING INTERNATIONAL INTEREST

Howard Butcher (second from left), PhD, RN, associate professor, and Sue Moorhead (third from left), PhD, RN, FAAN, associate professor, traveled to Tallinn, Estonia, to present the keynote address at a country wide conference focused on the adoption of NANDA International nursing diagnoses, NIC and NOC. Conference outcomes: five organizations endorsed acceptance of using NANDA, NIC and NOC in their country's electronic health record. Butcher also served as visiting professor at University of Sao Paulo School of Nursing, Sao Paulo, Brazil and the Fundacion Universitaria Juan N. Corpas, Bogotá, Colombia. Picture: © 2017-2018 Stina Eilsen.

### MAKING CONNECTIONS WITH NATIONAL ORGANIZATIONS

Sue Moorhead, PhD, RN, FAAN, associate professor, and Elizabeth Swanson, PhD, RN, associate professor emeritus,

attended the Nursing Working Group Conference in March 2018 held in conjunction with the Healthcare Information and Management Systems Society. This conference provides an opportunity to meet with vendors using NIC and NOC in electronic products and to identify broader informatics initiatives and see demonstrations of electronic health record applications in use in the United States.

Sue Moorhead, PhD, RN, FAAN, associate professor, Howard Butcher, PhD, RN, associate professor, and Cheryl Wagner attended the 2018 NANDA International Conference at Boston College in June 2018, which focused on the new alignment of NANDA International and included presentations by nurses from many countries. Butcher also presented a closing keynote focused on nursing theory and the use of nursing classifications.

Elizabeth Swanson, PhD, RN, associate professor emeritus, attended the BIG Data conference at the University of Minnesota. She is an active member of the Nursing Values Work Group and represented the Center at this conference.

Sue Moorhead, PhD, RN, FAAN, associate professor, served on the planning committee for the AMIA (American Medical Informatics Association) Nursing Educators forum and attended the conference in June 2018. This was the first time the Center was represented at this conference and this event provided new teaching strategies and presentation formats. The Center continues to be involved with the Alliance for Nursing Informatics that is made up of over 40 organizations focused on informatics initiatives and policy issues.

### PROVIDING EDUCATIONAL OPPORTUNITIES

Sponsored two visiting scholars from Brazil:

- Amália de Fátima Lucena, PhD, RN
- Elenice Valentim Carmona, PhD, RN

Hosted three students from three different universities in Brazil:

- Suellen Cristina Dias Emidio, PhD student
- Natany da Costa Ferreira, PhD student
- Fernanda de Souza Freitas Abbud, master student

The research they are conducting as part of their graduate education focuses on the use of nursing terminologies in clinical practice and aligns well with the work of the Center.

Funded two research assistantships to College of Nursing PhD candidates. Their dissertation work is aligned with the work of the Center.

- Erica Davisson, PhD candidate
- Sena Chae, PhD candidate



Lindsay Robinson (BSN '18) with a patient in pediatric ward of Good Shepherd Hospital in Siteki.

## COMMUNITY & PUBLIC HEALTH NURSING PRACTICUM IN ESWATINI

Anita Nicholson, PhD, RN, clinical professor and associate dean for undergraduate programs and Susan Lehmann, MSN, RN, clinical assistant professor, led a two-week, intensive practicum in eSwatini (formerly known as Swaziland), Africa, in April 2018. Eight pre-licensure BSN students, enrolled in the Community and Public Health Nursing Practicum, chose to complete course requirements through the study abroad option. Students applied the principles of public health and nursing knowledge to address health promotion, disease and injury prevention, and nursing management of infectious disease and chronic health conditions.

eSwatini has the world's highest estimated prevalence rate of HIV-infected adults (26% of people aged 15-49, CDC). Faced with a vast shortage of skilled healthcare workers, community nurses, such as the ones provided by the Good Shepherd rural home-based care, play an important role in educating people to test for HIV and counseling people on adherence to antiretroviral therapy. The nurses commonly travel 50 kilometers providing health care support to clients living in mud and stick homes with no running water or electricity. Working alongside the Good Shepherd nurses, nursing students also

conducted community assessments in rural Siteki, and visited patients in the Good Shepherd Hospital (also in Siteki).

Nursing students witnessed community strengths that exist in eSwatini despite extreme poverty, low literacy, and chronic health conditions such as HIV/AIDS and the health consequences of hunger. In conjunction with Operation Hope, which is a community outreach clinic that works in Siteki and surrounding areas with outreach programs assisting with food, housing, medicine, education and business development, nursing students delivered menstrual hygiene kits made by River Community Church volunteers in Iowa City. These kits were distributed to girls in the community so that they can continue to go to school during times of menstruation.

Nursing students developed a culturally sensitive community HIV/AIDS action plan by working with eSwatini youth in several schools, including Big Bend High School and Nkanini High School, which involved assessing their HIV/AIDS knowledge, providing education, and empowering them to advocate for peer HIV prevention. Working in small groups, students assessed the youth's future goals, cultural beliefs, and knowledge of HIV/AIDS. The youth talked freely, having

future dreams of being doctors, nurses, scientists, teachers, lawyers, accountants, and more. Their biggest obstacle was being unable to pay tuition for secondary and tertiary education. Youth shared challenges of young women being sexually abused and having sex with older men for money, which lead to discussions of empowerment such as reporting abuse and brainstorming other income sources.

In addition to the practicum, students had the opportunity to visit two game reserves: Mkhaya Game Reserve and Hlane Royal National Park. Upon their return to Iowa, the students were invited to present and discuss their experience with Mr. and Mrs. Andy and Susan Code (BSN '79), who provided scholarship support for students to participate in the global health initiatives linked with the College of Nursing.

In summary, this group of students successfully completed the course requirements of Community and Public Health Nursing Practicum. In the process, they have brought strong nursing knowledge and the art of caring which positively touched the lives of many people. They eSwatini nurses look forward to collaborating with future University of Iowa College of Nursing students.



L to R: Sara Neff (MSN '13), Rachel Francois (MSN '04), and Keeli Irwin (MSN '04, BSN '00)

## ALUMNI NEWS

### MSN ALUMNAE MAKING A DIFFERENCE IN PEDIATRIC NURSING

**Sara Neff** (MSN '13), **Rachel Francois** (MSN '04), and **Keeli Irwin** (MSN '04, BSN '00), pediatric nurse practitioners, shared their knowledge and expertise to current Iowa nursing students by serving as preceptors at the Mercy pediatric clinic in Cedar Rapids.

### FROM STUDENT TO CNO

**Linda Chase** (PhD '10, MSN '93) credits two University of Iowa graduate degrees in nursing for providing a robust foundation that propelled her into a long and successful career as a nurse leader, including her current role as Senior Vice President and Chief Nursing Officer for CHI Health, the Catholic Health Initiatives (CHI) division, which serves Nebraska and southwest Iowa.

### FULL CIRCLE

**Terry Wicks** (DNP '18, BSN '81) returned to his alma mater in 2016 in pursuit of a Doctor of Nursing Practice (DNP) degree. He indicated that his desire to return to teaching nurse anesthesia students was a principal reason for pursuing this doctorate degree.

### BOOKER WINS DISSERTATION AWARD AT MNRS

PhD alumna, **Staja “Star” Booker** (PhD '17) was presented with a Dissertation Award from the Midwest Nursing Research Society's Symptom Science Research Interest Group. Booker received the award during the society's 42<sup>nd</sup> Annual Research Conference in Cleveland, Ohio.

### DNP ALUMNUS FEATURED BY CAMPAIGN FOR ACTION

**Dan Lose** (DNP '16, BSN '12) was one of 20 nurses named as a Breakthrough Leader in Nursing by the Future of Nursing: Campaign for Action, an initiative of AARP Foundation, AARP, and the Robert Wood Johnson Foundation.

### RECENT BSN GRAD BESTOWED WITH DAISY AWARD

**Jennifer Parker** (BSN '17) from Danville, California, was bestowed the DAISY in Training Award for going above and beyond her student expectations to deliver extraordinary care and compassion. Parker's future plans include pursuing a Doctor of Nursing Practice degree to become a pediatric nurse practitioner.

### IONL AWARDED 2018 AONE AFFILIATE AWARD

Under **Jennifer Nutt's** leadership (DNP '15, BSN '04), the Iowa Organization of Nurse Leaders learned that it has won the 2018 American Organization of Nurse Executives Affiliate Achievement Award.

### SHELTER FROM THE STORM

**Ashley Collins Roy** (DNP '15) was a member of a ten person Red Cross medical volunteer group assigned to a 3,000 person shelter in Dallas, Texas, immediately following Hurricane Harvey.

### BERGEN-JACKSON HONORED BY CORRIDOR BUSINESS JOURNAL

The Corridor Business Journal celebrated **Kim Bergen-Jackson** (PhD '13, MSN '08, BSN '06) as an honoree of the 14<sup>th</sup> annual Women of Influence Award. The award recognized women in the Corridor who have made a substantial difference in their communities. Bergen-Jackson, administrator of Oaknoll Retirement Residence, is known as an expert in older adult care and a strong advocate for high-quality geriatric care.

# IN MEMORIAM

NAME	ACADEMIC DEGREE	GRADUATION YEAR
<b>1930s</b>		
Bessie B. Polhemus	GN	1932
F. Verdell Thomas	GN	1934
<b>1940s</b>		
Elizabeth J. Friedman	GN	1941
Lucille G. Reed	GN	1941
Ruby E. Jebens Davis	GN	1942
Dorothy Haight Loken	GN	1943
Dorothy E. McGinnis	GN	1943
Alice Kester Henderson	GN	1944
Mavis E. Herzberg	GN	1944
Alberta A. Tedford	GN	1944
Bernita F. Broders	GN	1945
Doris M. Levsen	GN	1945
Eva E. Reeck	GN	1945
Patricia L. Van Dyke	GN	1945
Ruby C. Hass	GN	1946
Jean N. Ross	GN	1946
Lucile M. Andersen	GN	1947
Ruth N. Sanders	GN	1947
Harriet E. Vorhes	GN	1947
Lucile M. Andersen	GN	1948
Kathleen Nelson Hathorn	GN	1948
Frances L. Mesirow	GN	1948
Allie Lu Dunlevy	GN	1949
Ruth A. Roberts	GN	1949
<b>1950s</b>		
Dorothy M. Garrett	GN	1950
Celeste L. Opfell	GN	1950
Renee A. Wiedman	GN	1950
Patricia P. Thompson	GN	1951
Patricia A. Daw	BSN	1953
Rose Ann Hilgendorf	GN	1953
Betty R. Millman	GSN	1953
Mary E. Raffensperger	GN	1953
Gretchen L. Rodgers	BSN	1954
Carol L. Whitlow Boyle	BSN	1955
Madeline L. Connell	BSN	1955
Carol M. Tomson	BSN	1955
Marilyn E. A. Fjeld	BSN	1956
Marcia E. Bengston	BSN	1957

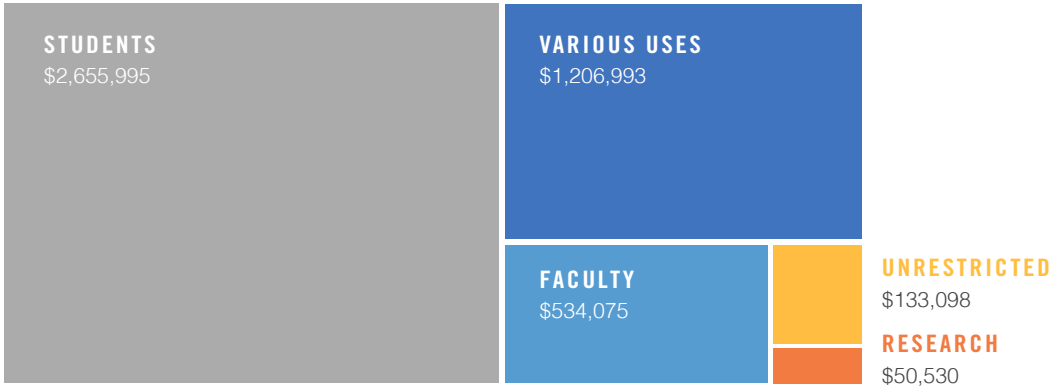
NAME	ACADEMIC DEGREE	GRADUATION YEAR
Nancy M. Jeffries	BSN	1957
Lorraine Mary Kristensen	BSN	1957
Doris M. Levsen	MS	1957
Donald E. Ebacher	BSN	1958
Joyce E. Erickson	BSN	1958
Barbara K. McClure	BSN	1958
Deloris J. Middlebrooks	BSN	1958
Roberta S. Phinney	BSN	1958
Carolyn M. Carter	BSN	1959
<b>1960s</b>		
Marilyn Kay McFarland	BSN	1960
Marilyn A. Monsoor	BSN	1960
Marilyn W. Schirm	BSN	1964
Sandra J. Henry	BSN	1965
Dianne L. Naumann	BSN	1965
Janna L. Sellers	BSN	1965
Kathryn E. Christiansen	BSN	1966
Phyllis R. Blew	BSN	1967
Sandra J. Henry	MA	1967
<b>1970s</b>		
Barbara L. Gale	MA	1970
Barbara B. Carlson	MA	1971
Kathryn E. Christiansen	MA	1971
Janice A. Denehy	MA	1971
Sheryl A. Grove	MA	1971
Barbara K. McClure	MA	1973
Cathy E. Clemens	BSN	1974
Catherine A. Zavala	BSN	1974
Louise R. Greenswag	MA	1975
Estelle M. O'Brien	BSN	1975
Darla S. Noel	BSN	1976
Jane Edvenson Harp	BSN	1979
<b>1980s</b>		
Linda J. Newton	BSN	1980
Cynthia L. McConnell	BSN	1987
<b>1990s</b>		
Jane Edvenson Harp	MA	1991
Kristine J. Martinson	BSN	1991
Elizabeth A. Kelly-Spies	BSN	1996
<b>2000s</b>		
Tina Hartman	BSN	2013
Cheryl L. Wright	MSN	2013

# DEVELOPMENT

Listed below are the fundraising and giving data for FY 2018 (July 1, 2017 – June 30, 2018).

**TOTAL PRODUCTIVITY**      **TOTAL NUMBER OF DONORS**  
**\$4,580,691**      **1,151**

**TOTAL PRODUCTIVITY BY DESIGNATED AREA**



## SCHOLARSHIP

**104**  
**UNDERGRAD STUDENTS**  
RECEIVED DONOR PROVIDED SCHOLARSHIP SUPPORT

**TOTAL SUPPORT**  
**\$335,489**  
17% OF TOTAL UNDERGRADUATE STUDENTS BENEFITED FROM PRIVATE SUPPORT

**40**  
**GRADUATE STUDENTS**  
RECEIVED DONOR PROVIDED SCHOLARSHIP SUPPORT

**TOTAL SUPPORT**  
**\$188,740**  
16.6% OF TOTAL GRADUATE STUDENTS BENEFITED FROM PRIVATE SUPPORT

## NAMING

Until December 2017, few changes had been made to the University of Iowa College of Nursing building which opened in 1971. Almost five decades later, work is underway to elevate our teaching and learning environment to better support advances in education and research methods. Gifts to the building renovation will support the creation of flexible classrooms equipped with

cutting-edge instructional tools and community spaces to meet, gather, and collaborate. The naming opportunities serve as way to honor mentors, leaders, colleagues or family members who have shaped Nursing at Iowa and beyond. Here are a few of the opportunities that are available:

<b>STUDENT LEARNING COMMONS</b>	\$200,000
<b>CLASSROOMS</b>	\$50,000 to \$100,000
<b>PHD/DNP STUDENT OFFICE</b>	\$50,000
<b>COMPUTER LAB</b>	\$40,000
<b>COLLABORATION ROOMS</b>	\$15,000 to \$25,000

For more information about the College of Nursing building renovation, contact Dayna Ballantyne ([dayna.ballantyne@foriowa.org](mailto:dayna.ballantyne@foriowa.org)) or 800.648.6973.



THE UNIVERSITY OF IOWA  
COLLEGE OF NURSING  
50 NEWTON ROAD  
IOWA CITY, IA 52242

Misty Patterson (BSN '18), a graduate of Sioux City's Western Iowa Tech Community College (2016), served as RN-BSN class speaker at the May 2018 commencement ceremony held in Iowa City.

