

# Duke Nursing



Summer  
2015  
Volume 11, No. 2

## FILLING IN THE GAPS

JANE BLOOD-SIEGFRIED LAUNCHES A PROGRAM TO  
BRING NURSE PRACTITIONERS TO TANZANIA

# Duke Nursing

magazine

Summer  
2015  
Volume 11, No. 2

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## What a wonderful year!

To say that this year has flown by is an understatement. I cannot believe that it has been nearly a year since my husband Carroll and I arrived in Durham and I became the 11th dean of the School of Nursing. Nearly every day I find myself telling others how amazed I am at not only the quality of our students, faculty, and staff but of the tremendous accomplishments that together we are achieving!

In this edition of *Duke Nursing* magazine, you will see for yourself some of the things I am talking about. The information in the news briefs section is just the tip of the iceberg when it comes to the accolades and successful work being done at all levels of the school, including some exciting research grants which we've recently received.

In April, we welcomed alumni to campus to renew old friendships, interact with our students and faculty, and tour our world-class facilities. In this edition, we feature profiles of this year's Alumni Association award recipients. I am humbled to be counted among this group for this great honor.

As the saying goes, "Give a person a fish and feed them for a day; teach them to fish and you feed them for a lifetime." Dr. Jane Blood-Siegfried is doing exactly that in Tanzania, where she is working with several organizations to develop a family nurse practitioner program that will bring health care to rural parts of the country. Outside of the urban areas of Tanzania, nurses serve as the backbone of the health care system, but there are not enough of them, and those in practice seldom have sufficient education to provide the full range of comprehensive care. Jane and the international team she is working with will help address that problem.

Meanwhile, in neighboring Rwanda, Dr.

Robin Dail and her team of Duke nurse-scientists and Rwandan physician-scientists, along with the Ministry of Health, are establishing collaborations to address the serious problem of newborns dying of hypothermia in underdeveloped countries.

A little closer to home, you will read about our interdisciplinary clinic where, under the supervision of schools of nursing and medicine faculty, nursing and medical students are collaborating in an interprofessional education experience to provide care to actual emergency room patients.

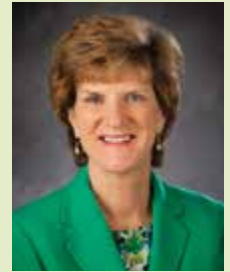
This has indeed been a remarkable year, and there is so much to look forward to. I invite you to visit the school if you are in Durham, and I encourage you to explore our social media network to engage with our students and faculty. I hope that you know that as a member of the Duke University School of Nursing community, you have much to be proud of.

Best wishes,



**Marion E. Broome, PhD, RN, FAAN**

Dean and Ruby Wilson Professor of Nursing,  
Duke University School of Nursing  
Vice Chancellor for Nursing Affairs, Duke University  
Associate Vice President for Academic Affairs  
for Nursing, Duke University Health System



## New Faculty Appointments

**Dean Marion E. Broome** has been named the distinguished Ruby Wilson Professor of Nursing. The highest academic honor bestowed by Duke University on faculty members, the professorship award recognizes her significant contributions to nursing science. As a pioneer in the field of pediatric nursing, Dean Broome's research advanced the understanding of treating pain in children using cognitive behavioral interventions, self-management, and inclusion of the family.

Her work has influenced the care of children nationally and internationally. In the field of ethics in pediatric research, she was the first to disseminate specific recommendations and procedures to obtain assent for children ages 7-18 to participate in clinical trials, leading to the development of pediatric assent guidelines for Institutional Review Boards (IRB). She has received significant funding from the National Institutes of Health and private foundations, as well as numerous national awards for research and dissemination. The appointment, which becomes effective July 1, was announced by Duke University President Richard H. Brodhead at a dinner honoring distinguished professors in May.



Brennan-Cook

**Jill Brennan-Cook, DNP, RN**, is an assistant professor of nursing with the Accelerated Bachelor of Science in Nursing program. She has extensive experience in both critical care and emergency nursing. Before joining the Duke faculty, she was on faculty at Mount Saint Mary College, where she taught adult health nursing, basic nursing skills and nursing theory, and nutrition in the undergraduate and graduate nursing programs. She has expertise developing

and managing simulation experiences for undergraduate nursing students. Her current research interests include sickle cell disease, nutrition and wellness, and educational strategies.

She holds a BSN from the State University of New York at Plattsburgh and an MS in Nursing from Lehman College of the City University of New York. She earned her DNP at Case Western Reserve University. She is a member of the International Nursing Association for Clinical Simulation and Learning and the Emergency Nurses Association.



Crego

**Nancy Crego, PhD, RN, CCRN**, is an assistant professor of nursing with the Accelerated Bachelor of Science in Nursing and Doctor of Nursing Practice programs. She is a certified pediatric critical care nurse whose clinical experiences include psychiatric nursing, adult trauma, adult critical care, pediatric intensive care, pediatric critical care transport, and pediatric cardiac intensive care.

She came to Duke from the School of Nursing and Health Studies at Georgetown University, where she was recognized for her innovative teaching methods and selected as a Teaching, Learning, and Technologies Fellow of the Georgetown University Center for New Designs in Learning and Scholarship. Her dissertation on Factors Influencing Pediatric Sedation Safety received the American Association of Colleges of Nursing's Excellence in Advancing Nursing Science Award for 2013. She holds a BSN and an MSN from Barry University and a PhD from the University of Virginia.

## Faculty Promotions

**Sharon Hawks, DNP, CRNA**, and **Frank Titch, DNP, CRNA, RN**, have been promoted to associate clinical professor of nursing.

**Mary Lou Affronti, DNP, RN, ANP**, has been appointed associate clinical professor of nursing.

**Sophia Smith, PhD, MSW**, has been appointed associate research professor of nursing.

## Recent Grant Awards

**NIH RO1** "Optimizing Beta-Adrenoceptor Signaling Bias in Asthma"  
PI Julia Walker, June 18, 2014-May 31, 2019  
\$2,820,445

**NIH R34** "Comparing Acute Pain Management Protocols for Patients with Sickle Cell Disease"  
PI Paula Tanabe, Sept. 1, 2014-June 30, 2016  
\$750,700

### Phillips Healthcare

"Temperature Monitoring with InnerSense Esophageal Temperature Probe/Feeding Tube after Birth through Stabilization in VLBW Infants"  
Robin K. Dale, Sept. 1, 2014-Aug. 31, 2016  
\$167,392

**Pfizer** "Pillars4Life: An Online Self-Management Curriculum for Cancer Survivors"  
Sophia Smith, Dec. 1, 2014-Nov. 30, 2015  
\$348,893

### NIH NIDCR R34

"Developing an Oral Health Intervention for Individuals with Mild Dementia"  
Bei Wu and Brenda Plassman, Aug. 1, 2014 to July 31, 2015  
\$242,036

**NIH R21** "Effects of Message Framing and Risk Feedback on CRC Screening"  
Isaac Lipkus, Sept. 24, 2014-Aug. 31, 2016  
\$387,858



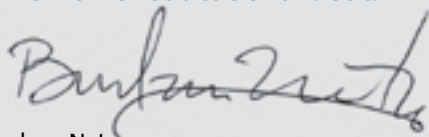
For Barbara Neto, the choice to work in health care really wasn't a choice at all. As she puts it, "It was born into me."

Although finding her calling in life came quite easily, figuring out a way to cover the cost to make her dream a reality was a much different story. After high school, Neto realized her family could not afford college, so she took on a full-time job as a nanny to pay her way through community college part time. Eventually, she earned a bachelor's degree in biology from Norwich University in Vermont.

Today Neto is a student in Duke University School of Nursing's Accelerated Bachelor of Science in Nursing degree program. Fortunately, this time around, finances aren't a concern. She earned a Helene Fuld Health Trust Scholarship that helps cover her tuition, freeing her up to focus on her studies while staying actively involved in three student organizations.

"Being able to go to Duke has been a life-changing experience," she says. "The faculty here treat you like a colleague from the moment you get here, which has allowed me to see myself in a professional nursing role. Getting such a quality education would never have been possible without the scholarship. That support means I'll be able to go on to become a labor and delivery or pediatric nurse and make a difference in the lives of mothers and children."

**Every gift to the Duke Nursing Annual Fund goes directly to support student scholarships. Your gift will help Duke attract the best students and ensure they graduate with lower educational debt.**



Barbara Neto  
Student, ABSN Program

# Scholarships Make Dreams a Reality



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 **Duke University**  
School of Nursing

## Bowersox Receives Presidential Award



Bowersox

David Bowersox, MBA, associate dean for finance and administration at Duke University School of Nursing, has received Duke University's Presidential Award in Executive Leadership.

He is the first School of Nursing employee to receive the award, one of the highest honors given to Duke faculty and staff annually. He was recognized for his leadership and personal commitment to the growth and success of the School of Nursing, including a net budget surplus for the last 10 years, which allowed for new academic programs, student scholarships, and strategic investments. He also co-created a national network of senior finance and administration officers of peer private nursing schools who share best practices and help identify emerging industry trends.

President Richard H. Brodhead presented Bowersox with a Presidential Medallion and a check for \$1,000. Presidential Award recipients will receive invitations to attend the Founders' Convocation and to serve on the selection committee for the following year's Presidential Awards.

## School Receives RWJF Grants for PhD Scholarships



### Robert Wood Johnson Foundation

Duke was among 25 schools of nursing nationally selected to receive grants from the Robert Wood Johnson Foundation in support of PhD student scholarships. The school received two grants from the Future of Nursing Program in 2015-16, which provides financial support, mentoring, and leadership development over the three years of the PhD program.

The program is in response to an Institute of Medicine report recommending that the U.S. double the number of doctorally prepared nurses. Currently, less than one percent of the nation's more than 3 million nurses have PhDs in nursing or a related field.

## Partnering with the Community

Duke University School of Nursing recently established a partnership with TROSA (Triangle Residential Options for Substance Abusers, Inc.) to provide medical care to

its more than 500 residents. TROSA is a two-year substance abuse recovery program that provides vocational training, education, counseling, mentoring, leadership training, and continuing care.

"We are committed to excellence in health care, but we are also expanding our commitment to the community in which we live," said Dean Marion E. Broome. "This is a crucial relationship that will provide health care access to people who are medically underserved."

Kristie B. Giemza, MSN, RN, CS, CDE, a nurse practitioner with the School of Nursing, has been providing care to TROSA residents since January. She says she averages close to 1,000 medical appointments per month, including referrals to community providers. TROSA hopes to expand its current clinic by building a 5,124 square-foot facility. The relationship between TROSA and the School of Nursing began with former dean **Catherine L. Gilliss, BSN'71, PhD, RN, FAAN**, Helene Fuld Health Trust Professor of Nursing, who currently serves on the TROSA Board of Directors.

Nurse Practitioner Kristie B. Giemza examines a patient at TROSA.



## Interdisciplinary Educational Initiative Celebrates One Year of Collaboration

The Duke Academy for Health Professions Education and Academic Development (Duke AHEAD) was launched in March of 2014 with a mission to promote excellence in the education of health professionals.

A partnership between the School of Medicine, School of Nursing, and the Physician Assistant and Doctor of Physical Therapy programs, the academy now has nearly 400 members. Over the past year it has held faculty development programs attracting national speakers such as U.S. Surgeon General Vivek Murthy, MD; educational psychologist Lee Shulman, PhD; and Charles Prober, MD, senior associate dean for medical education at Stanford University School of Medicine. It has provided more than \$100,000 in grants to interdisciplinary teams across Duke University Health System.

Looking ahead to year two, Duke AHEAD will be adding a Health Professions Education Certificate Program and pursuing additional grant funding.



## Student Council Gathers Food for the Hungry

Students from all four degree programs in the School of Nursing were joined by students from Duke's schools of divinity, engineering and the Physician Assistant Program in a food-raising drive for the international hunger relief agency Stop Hunger Now. Family members and staff from the Duke Human Vaccine Institute, as well as friends, community members, and students from area K-12 schools, helped the group pack 12,000 meals in less than two hours.



## Susan Schneider Elected President of ONS



Schneider

Susan Schneider, PhD, RN, AOCN, FAAN, associate professor and faculty lead for the graduate oncology specialty at the School of Nursing, is president-elect of the Oncology Nursing Society. She will begin serving a two-year term as president of the 35,000-member national society in 2016.

## Three Oncology Students Receive ONS Scholarships

Two Doctor of Nursing Practice students, Kristine Harrington and Victoria Sherry, and Master of Nursing student Susan Herndon received scholarships from the Oncology Nursing Society for the 2015-2016 academic year.

## Gilliss Appointed to AAN Leadership Position

Former Dean and Helene Fuld Health Trust Professor of Nursing **Catherine L. Gilliss, BSN '71, PhD, RN, FAAN**, will serve on a national advisory council to lead the American Academy of Nursing's newly launched Institute for Nursing Leadership,

## NP Program Reaches Milestone



KEN HUTH

Ivy Settlemires, the first resident in a new psychiatric mental health nurse practitioner residency, has completed the first of four clinical rotations. The innovative collaboration between the School of Nursing and the Durham Veterans Affairs Medical Center started in 2013.

which houses the academy's work to place more nurses on governing boards, commissions, and task forces, with emphasis on federal and gubernatorial appointments and appointments to governing boards of national organizations.



Tanabe

## Tanabe Named Health Care Hero

Paula Tanabe, PhD, MSN, MPH, RN, FAEN, FAAN, was named a 2015 Health Care Hero by the *Triangle Business Journal*. Out

of 44 finalists, Tanabe was one of 24 health care professionals throughout the Triangle chosen for the award. She was recognized for her national work and research with sickle cell disease.





'60



'65



'70



'75



'80

LES TODD

## 2015 Reunion

Seventy alumni returned for Reunion Weekend in April, representing classes from 1958 to 2010. The reunion was hosted by Dean Marion E. Broome, the Duke Nursing Alumni Association, and the Beta Epsilon Chapter of Sigma Theta Tau. The weekend included a breakfast and tours of the nursing campus, the 2015 Alumni Awards Presentation (see article on page 18), student presentations, a luncheon, and the State of the School Address by Dean Broome. A new focus of this year's reunion was a video project, "Living Legacy," featuring interviews with alumni to capture their thoughts and memories about their time at Duke along with advice for current students. The videos will be archived to document the history of the school for future generations.

## Nursing Scholarship Golf Tournament

The second annual Pro-Am Golf Tournament to benefit the School of Nursing was held at St. James Plantation in Southport, North Carolina, in April and raised \$65,000 for scholarships. Thirty-five Pro-Am golfers on the eGolf Professional Tour played in the tournament with 100 non-professionals, including two teams from the School of Nursing.

Accepting the check on behalf of the School of Nursing are, from left, Dean Marion E. Broome, Christy Bell, and Associate Dean for Development and Alumni Affairs Fran Mauney.





# GILLISS PORTRAIT UNVEILED



KEN HUTH

The portrait was unveiled by Dean Marion E. Broome, right, and Elizabeth Merwin, PhD, RN, FAAN, executive vice dean and Ann Henshaw Gardiner Professor of Nursing.



A. Eugene Washington, MD, MSc, chancellor for health affairs, Duke University, and president and CEO, Duke University Health System, congratulates Gilliss.

Former Dean and Helene Fuld Health Trust Professor of Nursing [Catherine L. Gilliss, BSN'71, PhD, RN, FAAN](#), was honored with an official portrait unveiling in April. The ceremony and luncheon were attended by members of the Nursing Alumni Council.

Gilliss and fellow former dean [Ruby L. Wilson, EdD'69](#), celebrate with a Duke Basketball T-shirt.





AFP PHOTO / SIEGFRIED MODOLA

An HIV-positive mother attends a clinic where she is counseled on how to protect her baby, who was born free of HIV.



FILLING

N

Jane Blood-Siegfried  
Launches a Program  
to Bring Nurse  
Practitioners to  
Tanzania



by Dave Hart



THE  
GAPS





Africa has had a hold on Jane Blood-Siegfried, PhD, RN, CPNP, ever since she was a girl, when she lived in Liberia with her family and, among other things, cared for a succession of orphaned baby chimpanzees, one of whom slept in a crib in her room and occasionally clambered up onto her bed and plucked the rollers out of her hair.

Her family left Liberia, where her father had been stationed as a U.S. State Department official building schools, when she was 15. Decades passed before she was able to return, but Blood-Siegfried never forgot the vivid experience of living in Africa, a vast continent brimming with both spectacular beauty and heart-wrenching suffering.

Now she and Duke University School of Nursing are launching a project designed to help ease some of that suffering by bringing

backbone of the health care system outside the cities, but there are not enough of them, and those that are in practice seldom have sufficient education to provide the full range of comprehensive care.

“The heavily populated areas of Tanzania have fairly good health care, but 70 percent of the population lives in rural areas, and out there the situation is not as good,” says Blood-Siegfried, who has been at the School of Nursing for almost 20 years. “Usually there is somebody who provides health care, but in most cases they are not trained or qualified to do the procedures they have to do. So you have lab technicians delivering babies, suturing wounds, and basically providing primary health care, simply because there’s nobody else there to do it. If there’s a registered nurse on site, that’s a step up, but even the nurses aren’t trained to do the types of things a nurse practitioner would do.”

Her program is intended to put more qualified practitioners into those rural areas. She and other School of Nursing faculty will work with their counterparts at the Kilimanjaro Christian Medical University College Department of Nursing (KCMU-Co) to prepare a curriculum, develop Tanzanian faculty, and begin training the first cohorts of FNPs. The program will prepare its graduates to provide and manage the primary care health challenges of rural communities.



Jane Blood-Siegfried and Dean Marion E. Broome in Tanzania in February 2015.

“There are only two other Nurse Practitioner (NP) programs in all of Africa: one in Ghana, and one in Botswana,” Blood-Siegfried says. “So this is a pretty big deal. It has the potential to help a whole lot of people.”

### VALIDATING ROLES

Blood-Siegfried organized a four-day conference, which was held in Arusha, Tanzania, in February of 2015 to bring together all of the project’s partners and stakeholders—the universities, the Tanzania Nursing and Midwifery Council, the Tanzanian Nurses Association, and Ministry of Health—along with representatives from the NP programs in Ghana and Botswana to offer their guidance and advice. That gathering produced consensus about the program’s goals and a detailed action plan to guide its progress.

Next steps include developing the curriculum, based on a needs assessment that was completed last fall, and preparing the initial faculty—two post-baccalaureate nurses who will attend FNP programs in Botswana or Ghana and then return to KCMU-Co to teach the first cadre of FNP students.

That first class of students, and probably several subsequent classes, will consist of experienced registered nurses already providing health care in rural areas. If all goes according to plan, within five years the initial cohorts of FNPs will be returning to the communities they

improved primary health care to people in one part of Africa. In close collaboration with multiple partners in Tanzania, Blood-Siegfried and the School of Nursing have begun a five-year plan to establish a program that will develop and train Family Nurse Practitioners (FNP) to serve rural communities there.

Like much of sub-Saharan Africa, Tanzania suffers from severe shortages of health care personnel and resources. Physicians are virtually non-existent in most rural areas. Nurses serve as the



## United Republic of Tanzania

POPULATION: **49.6 million**

PEOPLE LIVING WITH HIV/AIDS: **1.4 million**

ANNUAL DEATHS DUE TO HIV/AIDS: **78,000**

PHYSICIAN DENSITY per 10,000 population:

<b>Tanzania</b>	<b>0.01 physicians</b>
U.S.	26.70 physicians

HOSPITAL BED DENSITY PER 10,000 population:

<b>Tanzania</b>	<b>7 beds</b>
U.S.	31 beds

NURSE DENSITY per 10,000 population:

<b>Tanzania</b>	<b>0.24</b>
U.S.	98.20 nurses

SOURCE: WORLD HEALTH ORGANIZATION

serve, with more knowledge, more training, and more authority to provide the necessary care to their patients.

“Jane’s program isn’t so much introducing a new role as it is validating a role,” says Michael Relf, PhD, RN, ACNS-BC, AACRN, CNE, FAAN, associate dean for global and community affairs. “The nurses are there. They are performing at a high level. What we want to do is train them further, standardize their skill sets, and formally validate their competencies, so that when they return to their communities they’ll be trained and qualified to do the things they have to do.”

Faculty from the School of Nursing will help teach intensive classes in the new program, at least during its formative years, and Duke students will have opportunities to go to Tanzania and participate by shadowing FNP’s, doing hands-on work in clinics, and other activities. Relf said he hopes Tanzanian students will be able to come to Duke to gain the same sort of experiences.

A \$200,000 grant from the Mark Paul Terk Charitable Trust is funding the initial phases of the project, and partners at Duke and in Tanzania are seeking additional funding.

Relf and Blood-Siegfried hope the Tanzanian FNP program can piggyback to some extent on the successful medical education program that **John A. Bartlett, MD, HS’81-’84, ’85-’87**, professor of medicine and global health and associate director of the Duke Global Health Institute, has established at Kilimanjaro Christian Medical Center.

“The needs of the community in Tanzania are very different from the needs here. We’re not trying to bring an American nurse practitioner program to Africa.”

JANE BLOOD-SIEGFRIED



Jane Blood-Siegfried (far left) in Liberia in 2014, with a class of nurses she taught to become future nursing teachers.

“The potential is there to work collaboratively with John Bartlett’s group so that our students can learn with the medical students as well as use some of the facilities for unique learning,” says Relf. “Sometimes the question isn’t ‘How do we build something?’ but ‘What resources are already there that we can share?’”

### SIMILARITIES AND DIFFERENCES

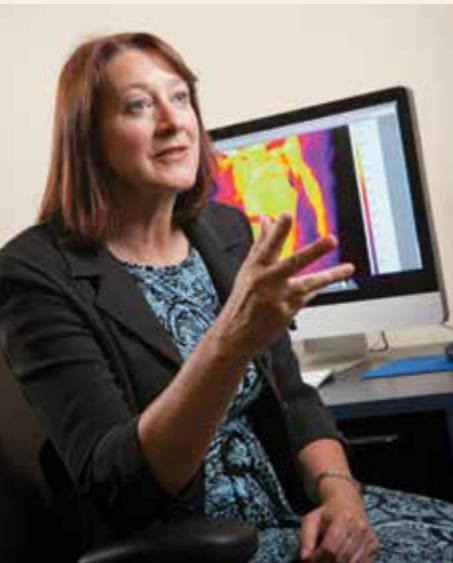
Duke University School of Nursing has a renowned nurse practitioner program in Durham. Launching a similar program in Tanzania is a far more complicated matter than simply lifting what the school does here and dropping it over there. The conditions, facilities, health problems, treatment

# KEEPING NEWBORNS WARM IN RWANDA

Robin Dail Hopes to Decrease Infant Mortality Due to Hypothermia

In some parts of the world, an open window on a cool night can be a death sentence for babies, and untold numbers of infants worldwide die for want of a blanket. Newborns, especially premature newborns, are extremely susceptible to hypothermia, a dangerous drop in body heat that can occur even in moderate climates. Millions of newborns die every year in developing countries—not of disease or malnutrition, but because they get too cold.

Robin Dail, PhD, RN, FAAN, wants to change that. After giving a talk about preventing hypothermia in preterm infants that clearly struck a chord at a conference in Kigali, Rwanda, in January 2015, she is swiftly moving to expand her research into that country in hopes of decreasing infant mortality there.



LES TODD

Robin Dail

“Seventeen million newborns die of hypothermia in developing countries every year, and the majority of those are in sub-Saharan Africa,” says Dail. “It’s a huge problem. Rwandan care providers told me that less than half of the babies in neonatal intensive care units there ever make it out. We want to increase their chances.”

In short order she has put together a team of Duke nurse-scientists and Rwandan physician-scientists, written three grant proposals for funding, and established collaborations with two hospitals in Rwanda. The Rwanda Ministry of Health has encouraged her work, and she plans to do an initial study to identify the primary causes of hypothermia in infants there and then follow that with a study to explore interventions to bring down mortality rates.

Some of those interventions might be deceptively simple. Newborns, especially pre-term ones, have inefficient thermal systems; they can lose heat by being placed too near an open window or a cold wall, by being bathed too frequently or in too-cold water, or simply by not having blankets available. All those conditions apply in parts of Rwanda. More education and the introduction of best practices in those areas and improved procedures to monitor thermal regulation in infants could make a big difference.

Michael Relf, PhD, RN, ACNS-BC, AACRN, CNE, FAAN, Duke University School of Nursing’s associate dean for global and community affairs, says Dail is the perfect person to take on this challenge.

“Robin is one of the top thought leaders in the management of hypothermia in premature infants,” says Relf. “And she has a passion for this that is astonishing to behold. I am convinced that in a matter of years, Robin and her team will have radically redesigned care of the premature infant in Rwanda, and they will have lessened infant mortality. She feels this is one way she can make a difference in the world. I have absolutely no doubt that she and her team are going to make that difference.”

— Dave Hart

protocols, and cultural norms are very different in the two places.

“Ears look the same everywhere. Hearts sound the same,” says Blood-Siegfried. “But the needs of the community in Tanzania are very different from the needs here. We’re not trying to bring an American nurse practitioner program to Africa. We’ll be tweaking it for the needs of Tanzania.”

Here, for example, nurses and nurse practitioners learn and perform a lot of geriatric care, because the U.S. has a large elderly population. In Tanzania, average overall life expectancy is under 60. So training and practice place a relatively smaller emphasis on elder care.

Nurses in the U.S. tend not to spend a great deal of time studying and treating tropical diseases such as malaria; in Tanzania, they do. Even conditions that are common in both places—hypertension, for instance—are treated with different formularies in the two countries.

Health care practitioners in rural Tanzania don’t have access to very much in the way of high-tech diagnostic and treatment equipment.

“You don’t send somebody for an MRI, because you aren’t going to find one,” says Blood-Siegfried. “It’s an amazing challenge for U.S.-trained people, because in a lot of ways you have to learn to diagnose and treat people the way the old-time family doctor used to. They use the history and physical findings to make a diagnosis. You can look at someone and tell whether they’re anemic, for example. In Tanzania, in a lot of places, you’re not going to be able to look to a blood test or other tech-driven diagnostic tools.”

In some cases, she says, the cultural differences can be difficult for practitioners from the U.S. to accept.

“We have some students who go to Tanzania to work in clinics, and it’s wonderful; they learn a lot,” says Blood-Siegfried. “But it’s a challenge, too, because they have to adapt to a different culture’s way of doing things. In Tanzania, when a woman has a baby, the woman gets looked after first and the baby gets looked after second. Because if a baby dies, the mother can



have more children. But if a mother dies, that affects the whole family forever. That kind of culturally specific way of looking at things can be a real adjustment.”

#### KNOWLEDGE AND SERVICE

The Tanzanian Family Nurse Practitioner program is just the latest of several School of Nursing initiatives in Africa. Brett Morgan, DNP, CRNA, has established a Duke Global Health Bass Connections program to train nurse anesthetists in Ghana. (Morgan, Blood-Siegfried, and **Jennie De Gagne, PhD, DNP’14, RN-BC, CNE**, recently received appointments as adjunct professors in the University for Development Studies School and Medicine and Health Science Department of Anesthesia in Ghana to support that project.)

The School of Nursing and the School of Medicine both are active in the Rwanda Human Resources for Health program,

a seven-year, 13-school project to build a sustainable health care system there. And Robin Dail, PhD, RN, FAAN, is in the first stages of a project to help prevent infant hypothermia, also in Rwanda (**see sidebar, page 12**).

All of these projects support the university- and health system-wide Duke Africa Initiative, launched in 2012 to build connections and share knowledge among Duke scholars who have a shared interest in Africa.

“One of the things we’ve tried to do is strategically align ourselves with broader Duke initiatives,” says Relf. “It all goes back to Duke’s mission of knowledge and service to the world. All of these programs are an opportunity for our school, our faculty, and our students, in partnership with collaborators overseas, to bring knowledge and service to the world.”

The key word is “partnership,” Relf says. He receives calls and e-mails every month from representatives in nations throughout the world asking Duke University School of Nursing to help them build nursing schools in their countries.

“Well, that’s not really what we do,” Relf says. “We don’t have the capacity to start schools of nursing. But what we have decided as a guiding principle is that when there are mutually beneficial partnerships, then we will engage in that activity. Jane’s work is an example of a mutually beneficial partnership. Tanzania has a need. We have capacity. We’re going to leverage mutual resources to develop a relationship that will help them meet their need and expand our capacity through research, scholarship, student clinical experiences, and so on.”

One of the keys to success, he says, is humility.

“None of this works if we were to go in there with the attitude that, ‘Here we are, Duke University in America, and we’re here to save you,’” he says. “We are very, very sensitive that we are equal global partners with the people in our host countries. We have as much to learn from them as they do from us. When we treat everybody as peers, as equal partners, then we’re really meeting that mission of knowledge and service to the world.”

Ideally, Blood-Siegfried says, the Tanzanian FNP program will ultimately lead to improved care for rural residents and will become a self-sustaining, long-term program that will continue to benefit the country and its people for years to come. There are a lot of steps to take before that day comes.

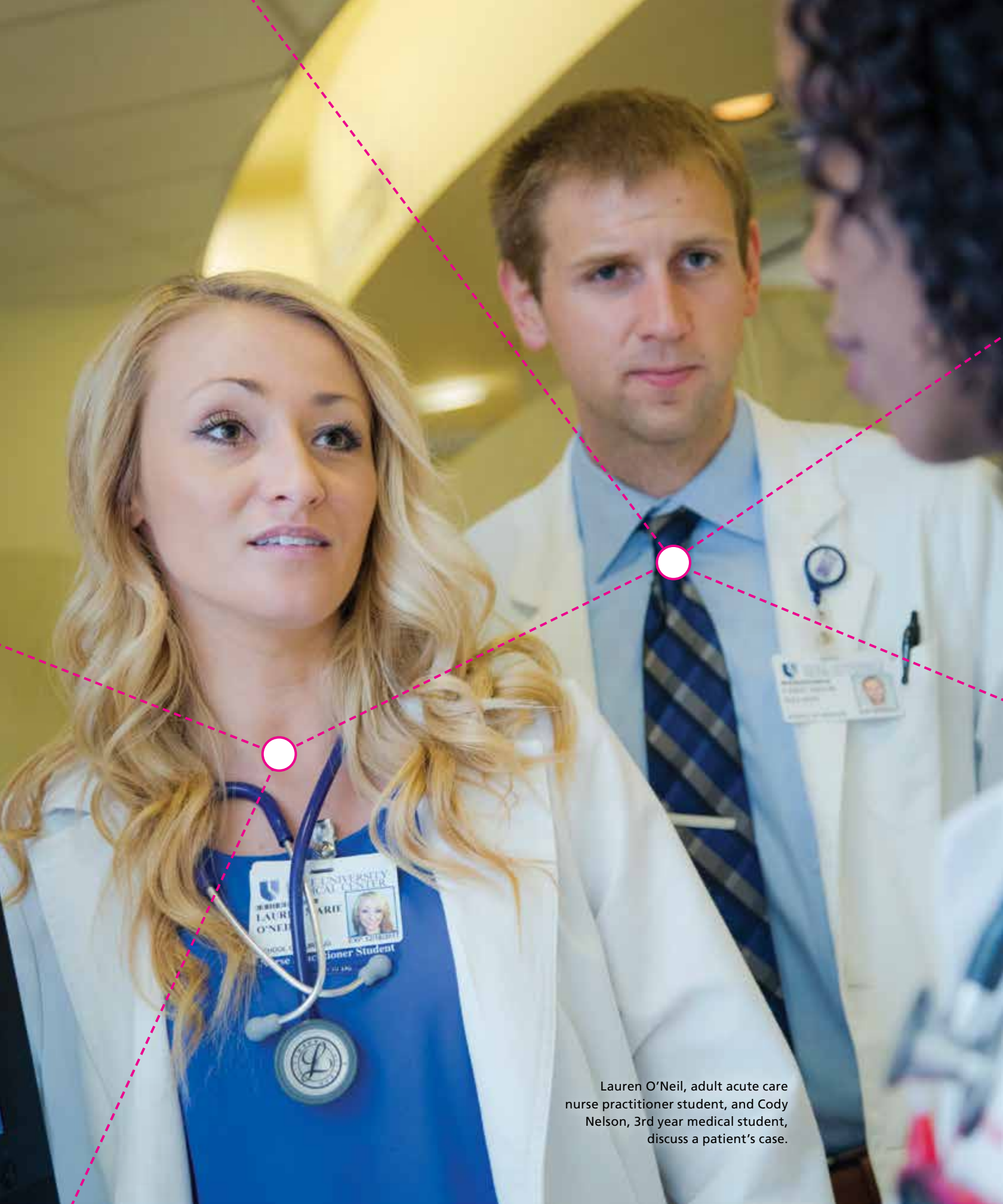
“There are still a thousand questions,” says Blood-Siegfried. “But we’re under way. A few years ago I went back to Africa. I saw that there is definitely a need, but I also realized that there’s a lot to learn. We’re letting our partners in Tanzania determine the needs and the curriculum. We’re there to help, to facilitate, and to fill in the gaps.”



Duke University School of Nursing student Julia Martel – a 2014 graduate of the ABSN program – is one of the students who has gone to Tanzania to provide health care.

// **W**e’re letting our partners in Tanzania determine the needs and the curriculum. We’re there to help, to facilitate, and to fill in the gaps.”

JANE BLOOD-SIEGFRIED



Lauren O'Neil, adult acute care nurse practitioner student, and Cody Nelson, 3rd year medical student, discuss a patient's case.



# Connecting the Clinical Dots

NEW CLINIC  
OFFERS STUDENTS  
MEANINGFUL LESSONS  
IN TEAM-BASED CARE

Brennan Davis's first two nights volunteering in Clinic 2A were pretty quiet—uneventful actually. But the third time truly was the charm for the Duke master of science in nursing (MSN) degree student.

That's when a patient with a laceration on one of his fingers came into the clinic, giving Davis the chance to practice a few new skills. There to fulfill her clinical rotation requirement in the adult-gerontology nurse practitioner acute care program, Davis took the patient's history and then sutured the wound—something she had never done before.

Meanwhile, a Duke medical student, volunteering alongside Davis in the clinic, got the opportunity to hone

by Bernadette Gillis



his history-taking skills on a patient suffering from an upper respiratory infection.

Once there was a lull in patient visits, Davis and the medical student chatted with their preceptors as a group. But their conversations went beyond the patients they had just treated. They also discussed topics such as the differences between nursing and medical school education and training and delved into what it's really like for providers from various disciplines to work together as a team in a clinic setting.

On the surface, these interactions may appear to be typical for learners at an academic medical center; however, dig a little deeper and one will see that these experiences are quite unique.

Davis was among the first students to participate in a new interprofessional clinical education experience that began earlier this year at Duke. The 2A Interprofessional Clinic is an after-hours care facility located inside Duke Clinic that aims to provide patient care while simultaneously helping learners gain a better understanding of and appreciation for providers who work in health professions outside of their own.

Developing the skills to work in a collaborative environment is becoming increasingly necessary for today's students, as many hospitals and clinics take on a team-based approach to patient care, says Michael Zychowicz, DNP, ANP, ONP, FAAN, FAANP, associate professor of nursing and director of the School of Nursing's MSN degree program.

"The health care needs of today's patients with multiple chronic conditions frequently require health professionals from differing disciplines to collaborate toward the collective goal of improved health outcomes for shared patients," he explains.

**Edward G. Buckley, E'72, MD'77, HS'77-'81**, one of the clinic founders and vice dean for education at the School of Medicine, says he isn't aware of any other school in the country that has been able to successfully launch a similar education-focused clinic.

"We're trying to put the learner at the center of the mix," he says, "and provide excellent patient care while giving the learner a chance to see how other professionals provide care and what their skill set is."

Run by School of Medicine and School of Nursing faculty members who oversee student volunteers, the clinic is open five days a week from 5 to 9 p.m. By day, Clinic 2A is an infusion clinic, but by night, the space becomes a clinic for urgent care patients from Duke's emergency room. Physicians in the ER give patients with less acute conditions such as neck pain or flu symptoms the option to be referred to Clinic 2A, where they can be seen sooner.

"The average wait time in the ER is five hours," says Buckley. "If you have a low acuity problem it could be much, much longer. Twenty-plus patients a day are showing up in the ER and then walking out. We felt this would be a way to try to address that."

Although delivering the same quality care that patients would receive in the ER is a major goal of the clinic—with the reduced wait times being an added bonus—Buckley, Zychowicz, and other medical and

"The health care needs of today's patients with multiple chronic conditions frequently requires health professionals from differing disciplines to collaborate toward the collective goal of improved health outcomes for shared patients."

MICHAEL ZYCHOWICZ

nursing school administrators established this clinic for the primary purpose of supporting interprofessional education.

"The goal was to have students from the various programs working together side by side in a clinic setting," Buckley says, adding, "I dare say that medical students don't have a clue about what nursing students know or are being taught or what their skill set is. And probably even less about physician assistants and nurse practitioners."

Interdisciplinary collaborations are nothing new to education, particularly at Duke. For several years, initiatives such as the university-wide Bass Connections have encouraged faculty from various fields to team up to solve complex problems and expose students to other disciplines. Students from the schools of nursing and medicine have previously come together for brief, small group activities focused on teamwork. But what sets the Clinic 2A experience apart is that it offers long-term, robust hands-on experience in a real-world setting.

Zychowicz says: "The clinic was conceptualized to be primarily a learning space where students can learn from real patients with real complaints. Unlike many clinical settings where there is a tremendous focus on productivity, which unfortunately can get in the way of time dedicated to clinical teaching, the 2A Clinic's focus is on education."

"Most of the time when people do interprofessional education, it's in the same classroom or a small group or at a conference," Buckley adds, "but it's not real interprofessional education and certainly not real clinical experience."

The clinic is supported by educational funds, not patient care dollars. Buckley says this relieves providers of the pressure to see a certain number of patients and allows them to devote more time than usual to education.

Buckley says a physician or nurse practitioner does not have to be "concerned if she's going to make enough money to pay the bills. We're paying the bills, and what I want her to do is teach." He adds, "Whether it takes five minutes to do part of the exam or an hour is irrelevant. I want (the students) to learn as much as they can during that time."

Even though Davis already has patient care experience—having worked as an intensive care unit (ICU) nurse for five years, the last three at Duke—she says the clinic’s intense focus on the learner’s experience has been invaluable to her advanced practice nurse training.

“It’s been good because it’s a little bit slower paced than the outpatient clinic where I was completing my other clinical hours,” she says. “So I had more time to ask questions.”

The slower pace, which allows for extra time with patients and preceptors, has given Davis freedom to concentrate on improving certain skills, such as suturing wounds or conducting patient assessments that are more focused than the ones she typically does in the ICU.

“In the ICU, we fix the patients for that moment, and I never see what happens after they leave,” Davis says. She and other students

so many different types of nurse practitioners,” Small says. “Many have told me they thought everyone with a master’s degree was a nurse practitioner. So they didn’t know you could have a master’s in nursing education or informatics or you could be a midwife or a nurse practitioner until we had these kinds of professional talks.”

The clinic initially operated for a few weeks in December with faculty only, and in January, medical and nursing students began working there. From January through March, a total of 56 students participated, treating 122 patients over 65 clinic sessions. Buckley says that of the patients that faculty and students have been able to reach during follow-up phone calls, the majority indicated they were satisfied with the care they received at the clinic.

Students will be surveyed about their experience working in the clinic on an ongoing basis. So far, their responses to questions about what they’ve learned about collaboration and other providers’ roles in relation to theirs have been positive.

Despite these initial successes, the path to establishing the interdisciplinary education clinic wasn’t an easy one. Buckley, Zychowicz, and others worked for more than two years to make the clinic a reality, encountering a number of roadblocks along the way. Finding a space for the clinic was difficult. Also, once they had the go-ahead to work with ER patients, they still had to overcome a number of billing and legal hurdles.

Beginning in July, physician assistant students will have the option to work in Clinic 2A for clinical rotation credit. And Buckley says eventually he hopes to include students from other health professions, such as physical therapy and social work.

Zychowicz says he hopes to increase nursing student involvement as well. Right now, only MSN students in the adult and family nurse practitioner majors are allowed to volunteer at the clinic. Eventually, the clinic will be open to students in the pediatric nurse practitioner major and accelerated bachelor of science in nursing (ABSN) degree students.

“I think our DNP (doctor of nursing practice) students could eventually have a role in the clinic, possibly through a capstone quality improvement project,” he adds.

Other future goals for the 2A Interdisciplinary Clinic include creating a formal curriculum for the clinic’s students. For example, one night preceptors could focus their lesson on ear conditions, meaning that preceptors would make sure students include the patient’s ears during each examination and discuss what they see.

Small stresses that the ultimate goal for the clinic is to improve outcomes for patients, and making that happen in a team setting begins with one simple concept. “Everyone needs to value all the other positions on the team,” she says. “If you don’t know what other people do, then it’s impossible to value them. If you don’t know someone’s strengths, you can’t use them to their full capability, and if you don’t know what their weaknesses are, then you don’t know when you need to get in there and help.” ♦



Lauren O’Neil, adult acute care nurse practitioner student; Adrienne Small, DNP, FNP; Cody Nelson, third-year medical student; **Kathryn Andolsek, MD, MPH, HS’76-’79**; Michael Zychowicz, DNP; and Blanca Padilla, PhD, FNP, discuss a patient’s case during an interdisciplinary clinic session at Duke Clinic. Nursing and medical students volunteer at the clinic under the supervision of faculty.

volunteering in Clinic 2A make follow-up phone calls to patients to see if they are feeling better or were able to fill their prescriptions.

Davis says her experience in Clinic 2A has exposed her to the unique roles of providers that she doesn’t typically encounter in her current job, such as osteopathic doctors. She has also gained a better understanding of medical students’ training.

On the flip side, medical students are learning more about the training necessary to become a nurse and the various roles nurses play in general, says Adrienne Small, DNP, FNP, one of two School of Nursing faculty members who currently serve as preceptors at the clinic.

“Medical students have said to me, ‘Wow, I didn’t know there were

## LIFETIME ACHIEVEMENT

**Anne R. Bavier, BSN'70, PhD, RN, FAAN**, is dean and professor of the College of Nursing and Health Innovation at the University of Texas at Arlington. A nationally recognized health care leader, she is president-elect of the National League for Nursing, which includes more than 39,000 members.

Anne previously served as dean of the University of Connecticut School of Nursing in Storrs, Connecticut, where she secured \$14 million for capital projects, improved opportunities for clinical faculty, and launched new programs, including a full-semester study abroad program for nurses. The University of Connecticut and Saint Xavier University in Chicago, where she served as dean from 2004 to 2007, have been named National League for Nursing Centers of Excellence in Nursing Education. That honor has gone to only 17 other universities nationwide, including Duke University School of Nursing.

In addition, Anne worked as a program director in the National Institutes of Health's National Cancer Institute and as deputy director of the Office of Research on Women's Health in the National Institutes of Health. Her many publications primarily focus on nursing education, professional development, and oncology nursing.

In 2015, she received The Chapel of Four Chaplains Legion of Honor Gold Medallion, the most prestigious



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award presented by the organization, which exists to encourage goodwill and cooperation among all people. The medallion is given to a person whose leadership has brought his or her actions to worldwide attention and whose very **life epitomizes the spirit of the sacrifice** of the Four Chaplains.

Anne earned a BSN from Duke University School of Nursing and an MSN from Emory University, where she specialized in oncology. She holds a PhD from Duquesne University.

life epitomizes the  
spirit of the sacrifice



## DISTINGUISHED ALUMNA

**Shirley Davis Martin, N'56, BSN'58, MSN'60, PhD, NP**, is retired after a 40-plus-year career in academic nursing and now serves as a full-time missionary nurse, caring for people in need throughout the world. She has done missionary work on every continent except Australia and Antarctica and in 35 countries, including Tanzania, The Netherlands, Peru, Haiti, Uzbekistan, and Papua New Guinea. Her **dedication to service to underserved populations** earned her Duke University School of Nursing's Humanitarian Award in 2010. Prior to her service through the International Mission Board, she worked as a nurse practitioner at a community health clinic in Florida.

Shirley's long career in academic nursing and administration began during her graduate studies at Duke, where she served as an instructor from 1957 to 1962. In 1962, she joined the faculty at the University of Florida College of Nursing in Gainesville, beginning a lifelong association with that institution, culminating in her appointment as full professor in 1989, a position she held until retirement in 1997. Along the way she also served as director of the Franklin University School of Nursing; chair and professor at the Medical College of Georgia and the William Jewell College School of Nursing; and in various positions at the University of Central Florida, the University of South Carolina, San



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Diego State University, Valencia Community College, and the Orlando Regional Medical Center.

Shirley earned three nursing degrees from Duke University School of Nursing: her diploma in 1956, her BSN in 1958, and her MSN in 1960. She earned a PhD in education from the University of Florida in 1981 and a post-master's degree as a nurse practitioner in 1994, also from Florida.

dedication to service to  
underserved populations

## DISTINGUISHED ALUMNA

**Ellen Minden, BSN'80, MPH, MHA, CHC**, is a division ethics and compliance officer in the Hospital Corporation of America's East Florida Division, where she has oversight of compliance programs at 13 acute care hospitals. She has served as a compliance officer at HCA for more than 20 years, with previous posts at JFK Medical Center and Lawnwood Regional Medical Center. She has also held roles as manager of regulatory compliance at Regional Medical Center of San Jose and director of critical care services at South Nassau Communities Hospital and Palm Beach Regional Hospital. Earlier in her career, she was a staff nurse at Duke University Hospital, serving in the orthopaedic unit and the post-anesthesia care unit.

Ellen was commissioned as a Second Lieutenant in the United States Air Force on Dec. 7, 1983, and served in the Special Care Unit at the 22nd Strategic Hospital at March Air Force Base in California. She left active duty in 1988 and joined the Air Force Reserves as a clinical nurse with the 452nd Medical Squadron at March AFB and then at Homestead Air Reserve Base in Florida. Promoted to colonel in 2008, she was named commander of the 349th Medical Squadron at Travis Air Force Base in California, **responsible for the readiness and deployment of 170 physicians,**



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**nurses, and medical technicians.** She completed her Air Force career with the Air Force Inspection Agency and retired from the Air Force on Jan 1, 2014, after 29 years of service.

After earning her BSN at Duke University School of Nursing, Ellen earned master's degrees in public health and health care administration from Loma Linda University and a graduate certificate in health care corporate compliance from George Washington University.

responsible for the readiness and  
deployment of 170 physicians, nurses,  
and medical technicians

## HUMANITARIAN

Nearly every year since earning her master of science in nursing degree from Duke University School of Nursing in 2000, **Alice Munyua, MSN'00**, has returned to her native Kenya to help the underserved.

Working with Myles of Great Hopes, a nonprofit organization based in Cary, North Carolina, and her local church, Munyua has helped **provide clean water to children living in poor and impoverished areas**. In 2011, she was part of a group of 20 medical professionals who provided free medical and eye care over a two-week period to more than 5,000 people from the impoverished areas of Nairobi and Nyeri.

During her numerous medical mission trips, Munyua has also worked closely with HIV-infected single mothers, educating them on health management and good nutrition. She and her team also worked to help women find new ways to improve their finances and offered them guidance on how to produce their own food. Next year, she and Myles of Great Hopes plan to tackle their first national project in Kenya, which will involve working with the Cancer Society of Kenya.

Munyua earned an associate's degree in nursing from Passaic County Community College in 1992, a bachelor of science in nursing degree from William Paterson University in 1995, and a master of science in nursing degree from Duke University School of Nursing in 2000. Throughout her career, she has held nursing positions at various hospitals and clinics,



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including Duke Regional Hospital, Dorothea Dix Hospital, Longleaf Neuro-Medical Treatment Center, UNC Hospitals, and Central Regional Hospital. She also worked as a weight management consultant.

After having taken time off from nursing in recent years to raise her children, Munyua is now enrolled in a nurse practitioner refresher program with plans to begin practicing in the fall.

provide clean water to children living  
in poor and impoverished areas



## CLINICAL PRACTICE EXCELLENCE

As the clinical services manager for Central Illinois Health Information Exchange (HIE), **Lauren Chilton Wiseman, MSN'10, RN-BC**, works with participating health care organizations and clinicians onboarding to the exchange. Lauren is a registered nurse with more than 30 years of health care experience in a variety of clinical settings, including operating room, ambulatory care, and emergency department. This diverse experience has fueled her **passion for health information technology** and belief that the quality and safety of care can be improved through the sharing of health information.

Lauren is an active member of the American Nurses Association, serving as a peer reviewer for continuing education. In 2012, she participated on the Care Coordination Quality Measurement Panel Advisory Committee. Lauren is also involved in the local and national organizations of the Health Information Management Systems Society (HIMSS). She holds the position of vice chair, Midwest Region, of HIMSS Chapter Advocacy Round table and serves as the Chapter Advocate/HIE Chair on the board of the Greater Chicago Chapter.

Before joining Central Illinois Health Information Exchange, Lauren worked as a clinical informatics



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specialist and nurse manager with the Dr. John Warner Hospital Rural Health Center in Clinton, Illinois, and as CV Specialty Head with BroMenn Regional Medical Center in Normal, Illinois.

Lauren earned a BSN degree from Maryville College, St. Louis, Missouri, and an MSN from Duke University School of Nursing. She is board certified in nursing informatics.

passion for health  
information technology

## DISTINGUISHED CONTRIBUTIONS TO NURSING SCIENCE

**Marion E. Broome, PhD, RN, FAAN**, is dean and Ruby Wilson Professor of Nursing at Duke University School of Nursing, vice chancellor for nursing affairs at Duke University, and associate vice president for academic affairs for nursing in Duke University Health System.

An **expert in pediatric nursing research, Broome focuses her research on pain interventions for children.** For more than 15 years, she has received research funding from the American Cancer Society, the National Institutes of Health (NIH), and private foundations to develop and test interventions designed to help children cope with acute and chronic pain.

In 2000, Broome extended her interests to include research ethics as it relates to informed consent and assent for children in research, research misconduct in clinical trials, and most recently, ethical dilemmas in publishing.

She has served as a member of the NIH's Nursing Science Study Section and as a permanent member of the organization's Study Section in the Center for Scientific Review. Broome's numerous leadership roles with professional societies have also included serving as president of the Society for Pediatric Nurses.

Broome was named a Fellow of the American Academy of Nursing (AAN) in 1994 and is currently



editor-in-chief of *Nursing Outlook*, the AAN's official journal. Other honors include being inducted into the Sigma Theta Tau International Researcher Hall of Fame in 2010 and receiving the National League for Nursing Award for Outstanding Leadership in Nursing Education in 2012.

Prior to joining Duke in 2014, Broome was dean of the Indiana University School of Nursing. She earned a bachelor of science in nursing degree from the Medical College of Georgia, a master of science in nursing degree from the University of South Carolina, and a PhD from the University of Georgia.

expert in pediatric  
nursing research focuses her research  
on pain interventions for children

## 1940s

**Evelyn White Ott, BSN'44**, writes, "My Duke years were a wonderful time in my life. At age 92, I am learning to relax a bit and accepting the loss of my 59-year-old child." Ott retired in 1984 after 33 years in public schools. She enjoys her three remaining daughters, six grown grandchildren, and six great grandchildren. She lives in Greenville, South Carolina.

## 1950s

**Kathryn McCullough, N'51**, enjoys swimming, water aerobics, rug hooking, and reading. She has three grown children, three grandchildren, and four great grandchildren.

**Edna B. Quinn, N'58, BSN'60**, retired, has traveled in recent years to Brazil, California, Hawaii, and Ireland. She is planning a reunion of the nursing team she took to Sri Lanka when she taught nursing. Quinn lives in Portland, Maine, where she enjoys attending the opera and concerts and visiting art museums. She also devotes time to church activities, including helping with the soup kitchen and visiting shut-ins. She has nine grandchildren.

**Elizabeth A. Stavitski, BSN'58**, received a lifetime achievement award for excellence in nursing from Premier Health Partners in May 2015. She splits her time between two homes, one in Hilton Head, South Carolina, and the other in Dayton, Ohio.

**Lyda Sue Cunningham, N'59**, is retired from more than 40 years in nursing administration and is enjoying gardening, watercolor painting, and knitting. She and her husband Neil have been married 52 years, have two sons and three grandchildren, and live in Aurora, Colorado.

**Joan Barcy Locke, BSN'59**, was widowed in 2013 after caring for her husband Fred's advancing dementia. She traveled to England in summer 2014 to visit friends and hopes to travel more in the coming years. After retiring from teaching and clinic nursing in the late 1990s, she volunteered at her local free medical clinic for several years. She lives in Aiken, South Carolina.

## 1960s



▲ **Sandra M. Walsh, BSN'60**, of Miami, Florida, is semi-retired. While she continues to teach nursing research courses, she now devotes more time to teaching watercolors and creating her own paintings. She won third place at the Watercolor Society of North Carolina annual show in October 2014 and won fourth place at a show held by the Miami Watercolor Society in May 2014. Recently, she used photos of

monuments and street scenes to create paintings for a solo exhibit in Guayaquil, Ecuador. Walsh also plays viola in a community orchestra. She has three children and four grandchildren.

**Patricia L. Taylor, MSN'63**, is retired and volunteering twice a month at her local Ronald McDonald House. She plays duplicate bridge three to four times a week as well as teaching bridge to beginners. She is a deacon at Woodmont Christian Church and lives in Nashville, Tennessee.

**Judith Twomey, BSN'67**, has retired from nursing after 46 years in the profession. She volunteers two days a week at the National Ability Center ([discoverNAC.org](http://discoverNAC.org)) working in the equine therapy programs for children with disabilities. She recently went on a three-and-a-half-week African safari. She greatly enjoys babysitting for her grandchildren. She lives in Park City, Utah.

## 1970s

**Jay Ellen Barrett, BSN'70**, of Walpole, Massachusetts, has been working as a nurse manager for women's health at Boston Veterans Affairs Primary Care Clinics since 2012. She works closely with an interdisciplinary team, caring for women veterans of all ages. Recently, Barrett has been working on a project to

provide whole health coaching to women veterans through a grant that includes consultation with Duke Integrative Medicine. A retired lieutenant colonel from the U.S. Army Nurse Corps, Barrett loves to travel and is also actively involved with Mil Milagros, a nonprofit program that provides nutrition and health promotion to children in Guatemala. She is a "second parent" to her sister's two teens who were adopted from Ufa, Russia. She is also a parent to three cats.

**Harriett Gruberg Rellis, BSN'70**, of Warminster, Pennsylvania, is a parish nurse. She also serves on the board for New Directions Support Group, a group for people with depression and bipolar illness and their families. An avid duplicate bridge player, Rellis has become a life master. She and her husband Steve have been married for more than 43 years. Her older daughter, Jennifer, is a lawyer who works as a supervisor for the Department of Homeland Security. Her younger daughter, Beth, manages a restaurant in the Highland Park section of Pittsburgh and has a daughter, Lila.

**Rebecca Kiser Yates, BSN'70**, has been a certified nurse midwife, lactation consultant, and menopause practitioner with Henry Dorn, MD, and Associates in High Point, North Carolina, since October 2013. She has been a clinical preceptor for nurse midwife and nurse practitioner students for many years. A member of the North Carolina Affiliate of the American College



of Nurse-Midwives, Yates is actively involved with efforts to change laws that define the practice of nurse midwives and advanced practice registered nurses in North Carolina. Outside of nursing, she enjoys hiking, dancing, cycling, knitting, and reading. She has two daughters, three grandchildren, and a boyfriend of 14 years.

**Mary Cappleman, BSN'71**, is retired and “trying to keep up with current information and trends with continuing education, etc.” She volunteers as a guardian ad litem to represent the interests of children in court. She likes to read, exercise, and garden. She and her husband, William Cappleman, MD'79, have three children: Will, who has two girls aged 2 and 8; Kate, who has an 18-month-old girl; and Robert. They live in Charlotte, North Carolina.

**Marylou Brameier Anderson, BSN'73**, of Weatherford, Texas, retired from nursing in February 2013. She has been traveling the world recently judging cats in cat shows. She currently is a judging administrator and judge for the International Cat Association. Anderson also enjoys playing golf. She has two daughters and two grandchildren.

**Carol Kriske Crane, BSN'73**, retired last fall after a lengthy career as a psychiatric nurse and nurse practitioner. Most recently she was a psychiatric nurse practitioner in a clinic based in

a large urban school, where she provided health services and mental health counseling for disadvantaged youth. All three of her children graduated from Duke. She lives in Sodus Point, New York.

**Sandra “Sindy” McCrystle, BSN'73**, is on faculty at the University of North Carolina School of Medicine and also works in medical education at Carolinas Healthcare System, teaching geriatrics to medical students, internists, and residents. She also teaches home care and end of life care. She is planning a geriatric fellowship program to begin this year and also started a senior mentor program. Her daughter Meagan lives in Charlotte, where she is married and has a 1-year-old child; son Kevin owns his own company and lives in Manhattan. McCrystle lives in Charlotte, North Carolina.

**Deidre Cox, BSN'74**, recently retired after a 10-year career working in dementia care and now works part time in home health care for Always Best Care Senior Services. Her husband, **Buster Cox, T'74**, played football at Duke and is now a residential realtor. They live in Charlotte, North Carolina, and have three grown children: a daughter who lives in Charleston, South Carolina, and two sons living in Charlotte.

**Dianna McCartney Moss, BSN'74**, of Poway, California, works full time in the post anesthesia care unit of an outpatient surgery center. She and **Debbie Kucher Olden, BSN'74**, spent a week vacationing on the Hawaiian island of Oahu recently. She writes, “It was a great reunion and we laughed until we cried all week long remembering friends and events while we were roommates at Duke.” Moss’s husband Bill is a church business administrator. Their son, Stephen, is a graduate of the U.S. Naval Academy in Annapolis, Maryland, and moved to Pensacola, Florida, to attend flight school. Their son, Greg, is an undergraduate student at San Diego State University.

**Laura L. Patterson, BSN'74**, was working as a triage nurse for the Moore Free Care Clinic until she accepted a job as a post-anesthesia care unit (PACU) nurse for Pinehurst Surgical Clinic. When she’s not working as a nurse, she trains and competes horses in jumping and dressage competitions. She also serves as a board member of the Carolina Performing Arts Center, and in July 2014, she completed multiple climbs to 18,000 feet in the Colorado Rockies. Her husband is fully retired from his work as a physician and surgeon. Their daughter, Maggie, is director of development for Citizens Schools in Boston, Massachusetts. The Pattersons live in Pinehurst, North Carolina.

**Debra A. Gottel, BSN'76**, has moved to Portsmouth, New Hampshire, to work as an assistant clinical professor at the University of New Hampshire. In her new job, she will be working with her former classmate, **Gene Harkless, BSN'76**.

## 1980s

**Becky Zagor, BSN'80**, celebrated her 35th consecutive year in nursing practice since earning her degree at Duke. She works for Humana as a quality nurse, educating physicians on Centers for Medicare and Medicaid Services Healthcare Effectiveness Data and Information Set requirements for Medicare patients. She likes to read, garden, hike, do Zumba, and spend time with her Cairn terrier. She lives in Fort Mill, South Carolina.

**Beth Russell Ballhausen, BSN'81**, and her husband **Peter, E'79, B'85**, have purchased the Old Town Hardware and General Store in Black Mountain, North Carolina. She says, “We are having the time of our lives with this new adventure together.” She also is continuing to teach piano and voice.

**Karen Palmer Haines, BSN'82**, of Jacksonville, Florida, works at the Mayo Clinic in the education and development area of human resources. She and her husband have three daughters. One, an assistant principal in Tucson, Arizona, is married with two children and one on the way. The second daughter is an attorney

in Jacksonville, covering mostly real estate and management companies. The Haines's youngest daughter graduated from St. Mary's College in Notre Dame, Indiana, and is a recruiter for a small company.

**Eve Myers Herman, BSN'84**, of Dallas, Texas, is a school nurse at a private school for students with normal intelligence and learning differences. The school has 880 students in grades pre-K to 12. Herman recently attended a National Association of School Nurses conference in San Antonio. Outside of work, she enjoys playing tennis and volunteering. Her daughter is a senior in high school, and her son is a junior at Trinity University in San Antonio.

**Annette Hines, BSN'84**, teaches at Queens University of Charlotte. She and her husband David have two sons, Mark and Joe. They live in Matthews, North Carolina.

## 1990s

**Jennifer Hirschy Gentry, MSN'94**, is a nurse practitioner with the Duke Center for Palliative Care. She is president of the Hospice and Palliative Nurses Association and a board member of the Hospice and Palliative Nurses Foundation. She lives in Durham.

**Laureen Froimson, GNC'96**, has started a business called Gero-Psych Solutions, PLLC, which provides geriatric assessments, evaluations, and consultations to

facilities and nursing continuing education programs. She was the September 2014 Spotlight Nurse for the North Carolina Nurses Association. She sings with the Triangle Jewish Chorale and will be traveling with the group to several cities in Argentina in late May and early June.

**Lucy Marie Messana, MSN'97**, works full time at the Spine and Brain Institute at St. Vincent's HealthCare in Jacksonville, Florida. She works with **Eric Gabriel, MD, HS'92-'96, '99**, assisting in the office and hospital neurosurgery practice. In her free time she enjoys playing golf and going to the beach. In June, she and her husband Philip will celebrate their 10th wedding anniversary. They have a daughter, Olivia, 7.

## 2000s

**Heather Hooks Halford, MSN'00**, works as a part-time family nurse practitioner at a H2U health center and at the Medical University of South Carolina. She went back to work after several years of being at home with young children. She enjoys reading, the symphony, and the beach. Her husband Jonathan is a neurologist at Medical University of South Carolina and the Charleston Veterans Affairs Medical Center. He is involved in epilepsy research and various clinical trials. Their son Benjamin is ten years old and plays violin. Their daughter Charlotte Grace is eight years old and plays piano. The family lives in Mt. Pleasant, South Carolina.

**Stephanie Patterson Vroege, MSN'00**, and her husband, Gert-Jan, have taken mission trips to Romania, England, Canada, Mexico, and Uganda since marrying in December 2007. After having spent six months in the United States on home leave, they returned to Uganda with their two young sons, Nathaniah and Josiah, in May 2015. Working with Global Outreach Missions, the Vroeges will focus on helping underserved populations living on the 52 islands that make up the Buvuma Islands chain in Lake Victoria. Gert-Jan will teach the Bible, and Stephanie, a nurse practitioner, will work at the government's children's hospital and in other areas where there is limited medical access.

**Michelle Anderson, MSN'01**, is in her fifth year of owning and running her own medical clinic, Pend Oreille Health Care, in Sandpoint, Idaho. She began the doctor of nurse practitioner degree program at Idaho State University in August 2014 and has served as a family nurse practitioner preceptor. She spends her free time hiking, camping, and being with her husband and children: Quinn, 6, and Kole, 4. She lives in Sandpoint, Idaho.

**Jennifer Beaudreau-Ball, MSN'01**, is self-employed and working in a long-term care facility. She said she left family practice last year, and the transition has been challenging and rewarding and has allowed

her more flexibility and time with her two daughters, ages 15 and 11. She lives in Sevierville, Tennessee.



▲ **Amanda Caroline Faircloth, MSN'05**, recently completed two doctoral degrees through Virginia Commonwealth University (VCU), where she received an American Association of Nurse Anesthetists Foundation Doctoral Fellowship. She earned a doctor of nurse anesthesia practice degree in 2011 and a PhD in 2014. She currently works as a certified registered nurse anesthetist at VCU Medical Center and is adjunct faculty in the VCU Department of Nurse Anesthesia. She is published and has lectured domestically and internationally.

**Kathryn Keiper, MSN'06**, is lead consultant at Navin, Haffty & Associates, which implements Meditech solutions at hospitals around the country, specializing in physician modules. She lives in Stroudsburg, Pennsylvania.

**Megan Flaherty Harvey, BSN'07**, is a pediatric hospitalist nurse practitioner at Covenant Children's Hospital in Lubbock, Texas. She recently completed acute care pediatric nurse practitioner post-masters certification through Vanderbilt University and is double-boarded in primary and acute care. She and her husband Houston have been married four years and have two miniature Australian shepherds. They live in Lubbock.

**Clare Wechter Bremer, BSN'08, MSN'11**, works as an advanced oncology certified nurse practitioner for Rex Hematology Oncology in Cary, North Carolina. She achieved advanced oncology certification through the Oncology Nursing Society last year. Outside of work, she enjoys running; she competes in one or two marathons and half-marathons each year. She and her husband Michael live in Cary with their son and two daughters.

**Shawna Thrower, MSN'09, FNP**, is an executive team leader for Target clinic, where she was named Clinic Hero of the Month in July 2014. She recently became a preceptor for Duke University School of Medicine. In her free time, she enjoys bicycling and camping with her husband Mark, and she has "three sweet dogs along with three normal cats." She lives in Durham, North Carolina.

## 2010s

**Yasmin Noel, BSN'10**, graduated from the University of Connecticut with a master of science in nursing degree in the family nurse practitioner specialty track in May 2014 and began the doctor of nurse practitioner degree program at Northeastern University in Boston last fall. She works as a nurse practitioner for Genesis Healthcare. When she's not studying or working, she spends time competing in 5K, 10K, and obstacle races. She lives in Sterling, Connecticut.

**Kelly Pretorius, MSN'10**, is an orthopaedic nurse practitioner at Rady Children's Hospital in San Diego, California, and is a faculty member for the master of science in nursing degree program at the University of San Diego. She also is a board member of the San Diego chapter of the National Association of Pediatric Nurse Practitioners. She is earning a master of public health degree at San Diego State, focusing on health administration and policy. She and her husband Matt Waller have a 1-year-old Bernese mountain dog.

**Alicia M. Flor, BSN'11**, moved to Northern California and has begun a clinical nursing job on an inpatient intermediate intensive care unit at Stanford University Hospital. In summer 2014, she spent a month volunteering at a community health clinic in Quetzaltenango, Guatemala. She is enjoying playing the ukulele, rediscovering the San Francisco Bay area, and hanging out

with her nephews. She lives in Mountain View, California.

**Jonna Micoud, BSN'11**, works on an ortho/trauma unit at Scripps Memorial in La Jolla, California, and is working toward earning international board certified lactation consultant (IBCLC) certification. She and her husband Julien and two-and-a-half-year-old son Winston live in Oceanside, California, and were expecting a new baby in January 2015.

**Amy Kanaby, MSN'12**, is the living donor transplant coordinator at the Duke Transplant Center. In 2014, she completed two full Ironman triathlon races. She lives in Apex, North Carolina.

**Robin Burton Menachem, BSN'12**, is now working at Society Hill Pediatrics in Philadelphia, Pennsylvania. She has twin daughters.

**Kathryn J. Trotter, DNP'12**, is an assistant clinical professor teaching nurse practitioner students at Duke University School of Nursing and working as a nurse practitioner at Duke University Medical Center. She recently received a Health Services Administration grant to initiate and develop the first women's health nurse practitioner program at the school. She enjoys bicycling, gardening, and traveling and running with her lab and her Plott hound. Trotter lives in Hillsborough, North Carolina.

**Betty Waterhouse, BSN'12**, recently celebrated both her 25th anniversary with her husband Derek and her daughter Lucy's 16th birthday. She recently moved to Texas and says that now that the house is settled, she's looking for work. She's also training to run a marathon. She lives in Rowlett, Texas.

**Jennifer Battaglia Waterhouse, MSN'12, DNP'13**, is working as a nurse practitioner for the pediatric surgery department at Medical University of South Carolina (MUSC). Her capstone project was published in AACN Advanced Critical Care. She is helping with several quality improvement projects at MUSC, including negative appendectomy rates, surgical site infection rates, and urinary tract infection rates. She and her husband Will live in Charleston, South Carolina, with their dog Loorey.

**Lauren Segal, BSN'13**, works as a cardiac registered nurse at Piedmont Atlanta Hospital. She lives in Atlanta, Georgia.



# Honoring the Duke Exp

**Emily June Smith Lacks, BSN'45**, of Poquoson, Virginia, died February 15, 2015. She was 91. She retired as a nurse at Halifax Community Hospital in Halifax County, Virginia.

**Elizabeth Champion Mundie, N'47**, of Evanston, Illinois, died December 22, 2014. She was 89. She was married to the late **Donald R. Mundie, T'45, MD'47, HS'48-'49, '51**, for 60 years. Early in their marriage, the family spent two years in Italy during the Korean War. She went on to raise her seven children through college in Evanston before entering the nursing profession. She retired in 2005.

**Rachel Palmer Waggoner, BSN'47**, of Gastonia, North Carolina, died January 29, 2015. She was 89. In addition to serving as a cadet army nurse during World War II, Waggoner was an obstetrics operating room nurse and taught nursing. She was a past president of Gaston Medical Alliance and was active with the Well Baby Clinic, Red Cross blood drives, and the Heart Association of Gaston County.

**Margaret Darden McLeod, BSN'49**, of Huntersville, North Carolina, died December 29, 2014. She was 87. After she married in 1949, McLeod worked for three years as a nurse in Sanford before starting her family and moving to Charlotte. She was active in various organizations, including the Red Cross, where she was a volunteer for 23 years. She was an active School of Nursing alumna, serving as class chair for many years.

**Betty Prosser Tumlin, N'52**, of Rock Hill, South Carolina, died April 20, 2015, following an extended battle with Alzheimer's disease. She was 84. She retired from the State of South Carolina Department of Public Health.

**Virginia Page Max, N'52, BSNEd'53**, of Middletown, Ohio, died November 5, 2014. She was 85. Her career included working at General and University Hospitals in Cincinnati, Ohio; working at Wake Forest Baptist Medical Center in Winston-Salem, North Carolina; serving as director of obstetrical nursing at Miami Valley Hospital in Dayton, Ohio; teaching nursing for programs in Cincinnati and Middletown, Ohio; and working as the office manager for her husband's medical practice for 26 years.

Mary Shepard attended Duke University for only two years, but clearly the experience stayed with her.

After marrying and moving to California, Mary went on to complete a degree in nursing at a community college and worked in the profession for 20 years. When it came time for Mary and her husband, Rolf, to think about planning her estate, they thought of Duke University School of Nursing.

After three decades of loyal annual giving, the couple decided to establish an endowment through their estate to provide scholarships for nursing students. They have also established a number of charitable gift annuities providing fixed lifetime income and tax deductions. Upon their passing, the remaining gift annuity funds will be added to the scholarship endowment.

Mary says she is happy to support Duke nursing, and she and Rolf feel that charitable gift annuities are a superb way to increase their income and support the School of Nursing.

## Sample Duke Annuity Rates

Single Person		Married Couple	
AGE	RATE	AGE	RATE
65	4.7%	65/65	4.2%
70	5.1%	70/70	4.6%
75	5.8%	75/75	5.0%
80	6.8%	80/80	5.7%

For more information please contact Joseph W. Tynan, JD, executive director of gift and endowment planning for Duke Medicine, at [joseph.tynan@duke.edu](mailto:joseph.tynan@duke.edu) or 919-385-3114.



# Experience Through a Charitable Gift Annuity

*“We wanted to do what we could to help people who really want to be nurses afford a great education,” says Mary Shepard.*



LAURE CRUTCHFIELD





# Duke Ranks **6**th

## Among Graduate Nursing Schools & Best Online Programs

*U.S. News & World Report* has ranked Duke **6th among the nation's best graduate nursing programs** and **6th among online graduate nursing programs**. Six specialty majors were also ranked among the nation's top seven, including

- #2** Nurse Practitioner, Adult Gerontology, Acute Care
- #2** Nurse Practitioner, Pediatric Primary Care
- #3** Nurse Anesthesia
- #3** Nursing Informatics
- #7** Nurse Practitioner, Adult Gerontology, Primary Care
- #7** Nurse Practitioner, Family Care