



Glen Taylor Nursing Institute for Family and Society

The 2014-2015 annual report of the Glen Taylor Nursing Institute for Family and Society provides a record of selected scholarly projects that involve faculty, students, and interprofessional partners. Research, education, and practice projects that align with the mission and strategic plan continue. Partnerships and initiatives that were launched in prior years have been strengthened and expanded. Innovative educational and practice strategies with new collaborators demonstrate the continued growth and progress of the Institute, the School of Nursing and Minnesota State University Mankato.

Maverick Virtual Family-Interdisciplinary Team Submitted Grant Proposal to National Institute of Health



An interdisciplinary team submitted a grant entitled: Intelligent Family Focused EHR Enabled for Simulation to the National Science Foundation's Smart and Connected Health project. Principal investigators included: Cyrus Azarbod, PhD Computer Information Science Department; Sandra K Eggenberger, PhD, RN Director of the Glen Taylor Nursing Institute for Family and Society and School of Nursing; and Stacey Van Gelderen DNP, RN School of Nursing. Investigators are working with other education, technology, and health care experts to introduce solutions to foster efficiency and effectiveness within healthcare and educational systems that integrate research and educational practice.

Nursing education has been using high-fidelity simulation to teach clinical skills within a simulated complex healthcare environment. However, with simulation pedagogies focused on technical skills for individuals, a gap exists in the application of family care principles and humanistic skills in the simulated environment. Furthermore, clinical thinking and reasoning used in a high-fidelity simulation have not yet been fully examined. Academic institutions that are educating student nurses or retraining experienced nurses need tools and strategies to develop measurable, quantifiable and detectable competency for students and health care professionals in simulations. This proposal built upon current research and prior work with educational family focused electronic health record (MVF: Maverick Virtual Family prototype) and family nursing education at Minnesota State University, Mankato. The aim of this proposal was to advance the MVF prototype to the next level. The new advanced version will be referred to as Simulation Analytic Family EHR (SAFE-HR) that includes an interactive genogram and ecomap system and wearable computing as a support tool during simulation. Analytics to measure the performance,

assessment, clinical reasoning and self-reflection of students are feasible. This intelligent family focused electronic health will advance discoveries related to technology, clinical reasoning, and education; as well as support simulation training to deliver safe and quality family and individual care. Furthermore, the project has potential to further develop and impact partners with a broader interprofessional team, practicing nurses, industry producing electronic health records, and health care systems that use patient and family data. Technological tools will develop measurable, quantifiable and trackable data that can be used to measure student competency and study research questions that test simulation effectiveness, family focused nursing actions pedagogies, and student competency in family care. The investigators' prior work and partnership in family nursing curriculum, simulation pedagogies, and technological projects position them to provide leadership with an innovative approach to nursing education. Strengthening this team, identifying specific directions, and determining more detailed aims have been positive outcomes of this grant project development. http://mavtube.mnsu.edu/goto.html?id=0_mqxnjrng

Wearable Technology Grant-Strategic Funding from Office of Institutional Research, Planning and Assessment at Minnesota State University, Mankato

Partnering with the Computer Technology Department at Minnesota State University Mankato has resulted in a plan to develop innovations that include technology and an electronic health record focused on the family. This innovation has potential to be used in nursing education. The grant and the project implementation includes faculty, nursing students, and student consultants from a multidiscipline student run, faculty-mentored consulting enterprise based at Minnesota State University-Mankato (www.b507.us) that provides regional businesses and university community with cutting-edge services in technology, multimedia production, and communication.

- This work includes the integration of simulations, genograms, ecomaps, family nursing constructs, family nursing actions, and gamification with students and family scenarios
- http://www.mnsu.edu/planning/integrating_wearable_computing_technology.pdf

Minnesota Department of Health Selected a Madelia Project

Minnesota Department of Health chose Madelia, MN as a town to highlight as a Statewide Health Improvement Program (SHIP) Town. SHIP has been involved in Madelia since 2009 and first partnered with the Madelia Community Based Collaborative (MCBC) in 2013. MCBC received a SHIP grant that focused on improving health outcomes by decreasing the consumption of sugar-sweetened beverages and increasing access to healthy beverages. The MCBC campaign was called Madelia Rethink Your Drink. The Madelia as a SHIP Town video highlights activities that have been occurring within the town to help make healthy living easier. One of the MCBC activities included having an annual Rethink Your Drink poster contest at the elementary school. The Institute continues to collaborate with MCBC. Through multiple partnerships, MCBC continues to be engaged in the community and SHIP.

http://mavtube.mnsu.edu/goto.html?id=0_57rvdt0q

Rethink your Drink – UCARE County Grant Produced Results in Rural Community



Madelia Community Based Collaborative (MCBC) and the Madelia Community Hospital received a UCARE County Grant for \$25,000. This funding focused on three areas included: access to care, preventive health care, and health equity. The grant application was for Preventive Health Care that includes projects with a goal of addressing wellness, lifestyle, and healthy behavior changes. With these grant funds 6 hydration stations were purchased: two in the elementary, two in the high school, one at St. Mary's, and one at the park. Water bottles for all the students attending the high school, elementary school, and St. Mary's was also included. This grant application and funding received accolades from community partners with increased visibility. MCBC has become a community partnership that impacts the health of this rural community. The Glen Taylor Nursing Institute, School of Nursing faculty, and students have been a key partner in supporting the development and accomplishments of MCBC. Building this sustainable partnership with committed faculty and community members continues to be significant outcome.

ACT on Alzheimer's–Students and Faculty Partnered with Regional and National Initiative to Meet Needs of Community and Family

Mankato and North Mankato ACT on Alzheimer's has been working to make the local community a dementia friendly community. These partners have used the statewide dementia friendly community toolkit to guide their assessment of the community and action plan. The Institute helped to form a partnership with this national-local initiative. Drs. Kelly Krumwiede and Kristen Abbott-Anderson actively engaged with the Region Nine ACT on Alzheimer's community group this year. Students in Dr. Abbott-Anderson's research course gained experience working with data collected in the North Mankato and Mankato communities and identified areas where education and support were needed to increase awareness of Alzheimer's disease and dementia. Community leaders participated in identifying key concerns about interaction with the health care community and advocating for persons with Alzheimer's disease. Dr. Krumwiede's students in the community health course worked as teams to develop policy briefs that are currently under review by committee members. These policy briefs will be submitted to hospital and clinic administrators for review and consideration of policy development. This partnership engaged both students and faculty in real-world learning with an impact on families and the community.

<http://www.actonalz.org>

Mental Health Task Force– MCBC and Mental Health Experts Partnered with Community

The Taylor Institute, SON, and MCBC continue to support the development of the mission, vision, and strategic directions of the Mental Health Task Force. In response to recent tragedies in the Madelia Community a task force was created to help the community deal with recent events and address the larger issue of mental health. Dr. Amy Hedman, faculty in Community Health provided several QPR trainings and facilitated a community dialogue session. The mission of Question, Persuade, and Refer (QPR) is to reduce suicidal behaviors and save lives by providing innovative, practical and proven suicide prevention training. This educational program aims to empower all people, regardless of their background, to make a positive difference in the life of someone they know (<https://www.qprinstitute.com/about-qpr>).

A community forum was organized to identify community concerns and a strong interest in not only suicide prevention, but also mental health emerged. The task force then pursued a more comprehensive training program called “Mental Health First Aid”, an in-person training that is supported by the National Council for Behavioral Health. This program aims to build mental health literacy, help the public identify, understand, and respond to signs of mental illness (<http://www.mentalhealthfirstaid.org/cs/>). As the program grows the course will be available in both English and Spanish. This training was selected for this community because course participants come from a variety of backgrounds and play various roles in a community. The task force believes a variety of stakeholders need basic training and understandings of mental health concerns so that crisis situations can be handled and appropriate referrals can be made. Two individuals have been trained in Mental Health First Aid and training sessions held. Additional community plans are underway to offer future QPR and Mental Health First Aid. Attendance for trainings and discussion forums were as follows:

- QPR training in June: 45 attendees
- Community Forum in July: 30 attendees
- Teachers QPR Madelia Public School in August: 95 attendees
- QPR Community Forum in Sept: 25 attendees
- Gift for Holiday Grieving Dialogue in December: 9 attendees



Dr. Amy Hedman(left) presents QPR training and (right) Tips for Grieving during Holidays are shared by task force members.



Stories of Nurses Became Central to an Educational Intervention at Fairview Ridges Hospital Critical Care Units

A collaboration of researchers and clinicians was formed at Fairview Ridges Hospital to drive the process of knowledge translation using an educational intervention related to nurse-family conversations. The intervention protocol included a workshop focused on therapeutic

conversations that began with reflections and narratives through storytelling. Storytelling became a central component of the protocol's strategy. This strategy focused on the experience of a nurse caring for a family during a critical illness and a family story during a critical care unit stay encouraged reflections and understandings of the family experience with illness. Project measurements indicate that nurses felt more confident and comfortable with family nursing practice after the educational intervention and families perceived additional support from the nurses who attended the education. This knowledge translation project identified the power of nurses' stories so we captured some of them to use in future trainings and educational sessions. Because of the success of this project the work is being continued with Hennepin County Medical Center. Faculty and students are using the videos for nursing education.

Marita: http://mavtube.mnsu.edu/goto.html?id=0_d8c5rp0u

Mu Lambda Chapter of Sigma Theta Tau International Honor Society of Nursing and The Glen Taylor Nursing Institute for Family and Society Presented a Forum

The annual Nursing Forum aims to provide an educational opportunity that improves nursing practice. It offers nurses an opportunity to present research, learn from prominent healthcare leaders about timely topics, and gain continuing education credits. This forum is presented by Mu Lambda Chapter, Sigma Theta Tau International Honor Society of Nursing, Minnesota State University, Mankato and The Glen Taylor Nursing Institute for Family and Society. Keynote speaker was Julie Kittelsrud, a Nurse Practitioner at the Avera Institute for Human Genetics in Sioux Falls, SD, where she is a member of the personalized medicine team and nurse researcher. Julie attended the 2014 Summer Genetics Institute at the NINR and is a PhD student at South Dakota State University. Her dissertation research is "The relationship of patient activation and medication adherence to pharmacogenetic testing in a severe mental health and chronic illness population." A variety of nurse leaders from the region participated in the sharing their scholarly projects in a poster session with 12 presenters in attendance. Several School of Nursing faculty, including Drs. Sandra Eggenberger and Patricia Young held round table sessions focused on family nursing and graduate education. Undergraduate students, graduate students, faculty, and clinicians participated in this forum. Attendance at the annual forum continues to grow as paid registrants were approximately 40.

Educational Initiatives Addressing Family Nursing Practice Implemented

Students Learn from a Family Experience with Illness

Theresa Zimanske, founder of Be The Change, LLC, shares the patient and family perspective in healthcare and her family's real life experiences to strengthen relationships and create partnerships with health care providers. Zimanske shared her powerful story of a family's journey with a son's death due to a chronic complex disease. The purpose of this presentation to our nursing students was sharing a family's experience of caring for a child with a complex illness. This experience underscored the importance of partnering with families in order to enhance the patient, family, and provider experience of health care. The personal experience of this mother moved students to better understand the family experience and essential family interventions during chronic and acute illness. Theresa Zimanske states that she wants "to give a voice to the patient and family perspective as a way to enhance the human experience and improve the quality of health care." Students will now have the opportunity to continue learning from this meaningful family illness experience.

Online and Hospital Forums to Advance Practice Knowledge

A variety of educational opportunities for practicing nurses are being developed:

- An online course is under development to address current family nursing practice related to nurse-family communication and family interventions.
- Several care units at Hennepin County Medical Center are partnering with the Glen Taylor Nursing Institute for family and Society to offer workshops for nurses that focus on the experience of nurses and family members during acute illness and related interventions.
- Digital stories related to family illness experience and nursing practice are being developed for use in a continuing education format for practicing nurses.
- Video resources were created and now are available to the public online. These include: simulation learning experiences, stories of families nurses at Fairview Ridges that are part of a current research project, and the promotional video that was made for the Madelia Community Based Collaborative (MCBC) Madelia ReThink Your Drink project.
- School of Nursing faculty have developed and shared teaching with members of the International Family Nursing Association.
- Videos are currently being used by students and faculty. They can be found at http://mavtube.mnsu.edu/academics/taylor_institute.html

Implementing Pedagogies at Undergraduate and Graduate Level

Multiple teaching and research projects focused on the family and society are underway:

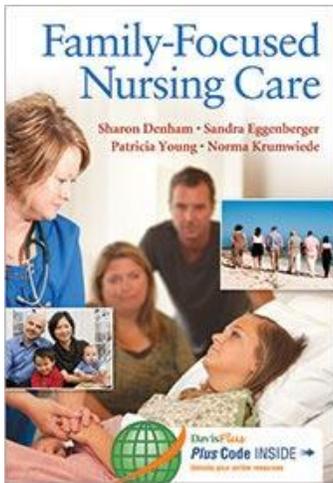
- School of nursing is developing teams to study nursing education pedagogies, curricula, and outcomes of current nursing curricula with undergraduate students.
- Faculty are collaborating to design, implement, and evaluate curricula at FNP and DNP level
- Doctoral Nursing Practice courses in a DNP Curriculum with a family and societal focused such as Family Nursing Practice are being developed and evaluated with the support of the Taylor Institute Director and SON faculty
- Graduate Courses for Master of Science Nursing Education students that focus on the teaching of Family and Societal Nursing are being implemented.

Leading Efforts to Implement Family Nursing Practice Models

Multiple educational and practice projects focused on family and society are being planned:

- Interdisciplinary Family Services provided by graduate and Doctor of Nursing Practice students and faculty continue to be explored. Possible sites now include a partnership with Bloomington School Systems.
- A plan is developing to engage undergraduate and graduate students in this innovative family nursing model through a variety of educational strategies and faculty-student partnerships.
- Meetings have been held with Executive Director of Learning Supports, Bloomington Public School and potential partners in behavioral and mental health.

Family-Focused Nursing Care Textbook Becomes a Reality



School of Nursing (SON) faculty at Minnesota State University Mankato and their expert colleagues authored and edited a textbook, *Family-Focused Nursing Care* recently published by F. A. Davis. This inspiration for writing a book began many years ago as faculty conducted family research and developed expertise in family nursing education and practice. The textbook's direction emerged with collaboration of SON faculty and a Taylor Visiting Scholar, Dr. Sharon Denham through the Glen Taylor Nursing Institute for Family and Society. Current evidence related to family health and family nursing practice and innovative ways to bring the care of families to the forefront of clinical practice are key features of each chapter. A goal of writing this book was to have a resource to introduce undergraduate nursing students to family care and guide practicing nurses to transform the ways they deliver nursing care. Several faculty at MSU and other schools, as well as individuals from other health care systems are now using this textbook in their courses. Seeing our vision of writing a textbook focused on advancing family nursing practice become a reality has been a rewarding experience for faculty. The School of Nursing and the Glen Taylor Nursing Institute for Family and Society are enthusiastic about the potential impact on nursing students and nursing practice.

The Doctor of Nursing Practice Emerges as a Force in Nursing Education

The Doctor of Nursing Practice (DNP) curriculum continues to be developed and implemented as a quality program at MSU. DNP students are being prepared to provide leadership in managing the health care needs of special populations and transforming health care systems. These students are now enrolling in a Family Nursing Practice course that includes advanced family nursing practice during family health and illness experiences. Faculty are engaging students in learning experiences that focus on innovative interventions and models of care to influence family health. These DNP students will now be able to apply for Becky Taylor Fellowships since they are developing their plans for practice projects focused on concerns that families face in their communities and the interventions that support the health of families and society. Becky Taylor Fellowships support DNP students on their journey to become the clinical experts that will be leaders on the front lines of the nursing profession.

Nursing Students and School of Nursing Faculty Launched a Pediatric Respite Program

Nursing students, School of Nursing faculty, and Taylor Institute joined forces to launch a pediatric respite program for families in the community. This program will provide learning experiences for Minnesota State University Mankato (MSU) nursing students to help guide students in providing in home respite services for children under the age of 18 who have intellectual, physical, and mental health disabilities. Aims of this program include:

- Providing learning experience to MSU nursing students to help students implement learned nursing skill sets.
- Developing students' family care practices of working with the family to support family health and family's quality of life.

<http://www.mankatopediatricrespite.org/services/>



Cultural Immersion for Nurses

In the Spring of 2015, 10 students from our School of Nursing traveled to Austria and the Netherlands to learn about healthcare, nursing and family and societal cultures in those countries. They had the opportunity to work with Austrian nursing students, tour hospitals, visit a World War II concentration camp and interview healthcare and nursing experts. Students received some support for this coursework from the Becky Taylor Scholarships. Dr. Hans-Peter de Ruiter guided the students' learning experiences.



Dr. Sandra Eggenberger Honored with the 2015 Senior Nurse Scientist Award at the Midwest Nursing Research Society's Family Health Section



The Midwest Nursing Research Society (MNRS) award recognizes a nurse researcher with an established record of research in family health nursing. While constantly evolving, Dr. Eggenberger's program of research has always focused on Understanding the Family Illness Experience to Advance Family Nursing Practice. Using qualitative and quantitative methodology her research foci moved from health to chronic illness to critical illness in a family. She has been part of a Family Nursing Research Team that formed in the

1990s. In her MNRS presentation, Dr. Eggenberger stated "Whether it was the family who inspired me to keep searching for knowledge that would help them endure the struggles of an illness or the nurse who wanted to gain confidence in family care it was a unified mission of research, practice, and education with and for families." Her recent initiatives involve establishing knowledge translation teams in several hospitals. She is working with current practicing nurse leaders to develop teams focused on family care and educational intervention aimed at influencing nursing practice with families. In her work with the Institute she supports Doctor of Nursing practice students who want to study and implement translational efforts in family nursing. With Dr. Eggenberger's knowledge of the evidence related to family nursing she works with other faculty to guide our several DNP students who explore specific family interventions in practice.

The Glen Taylor Nursing Institute, College of Allied Health and Nursing, Minnesota State University Mankato Provided Support for International Family Nursing Association

The International Family Nursing Association (IFNA) is creating a global community of scholars focused on family nursing and family health by sponsoring an international family nursing conference and committees that focus on family nursing education, practice and research projects. IFNA is emerging as a strong force for family health. The vision of IFNA is: Nurses Transforming health for families worldwide. The mission of the International Family Nursing Association (IFNA) is to transform family health by:

- Serving as a unifying force and voice for family nursing globally;
- Sharing knowledge, practices, and skills to enhance and nurture family nursing practice; and,
- Providing family nursing leadership through education, research, scholarship, socialization and collegial exchange on all aspects of family nursing.

The Taylor Institute is consistently being recognized for the pivotal role they played in this association.

- IFNA currently has 459 members, representing 35 countries
- IFNA is making substantial contributions to the advancement of family nursing through facilitating networking among those interested in family nursing education, practice, and research, bringing greater visibility to family nursing, supporting the socialization of the next generation of family nursing educators, practitioners, and researchers, and most importantly promoting the care of families in health and illness. • International Family Nursing Association has MSU faculty serving on the Board of Directors and committees that include education, practice, and research. • The College of Allied Health and Nursing and Glen Taylor Nursing Institute for Family and Society collaborated to sponsor the International Family Nursing Conference. The 12th International Family Nursing Conference was held August 18 -21 in Odense Denmark. With 458 attendees from 31 nations, it was truly a global meeting of nurses engaged with family practice, research, and education. Time together was filled with multiple opportunities to engage and learn from one another (3 keynote addresses, 6 pre-conference workshops, 5 expert lectures, 3 special sessions, 243 podium and 165 poster presentations).
- <http://internationalfamilynursing.org/>

International Family Nursing Conference in Odense, Denmark

Minnesota State University Mankato faculty and students presented a competitive preconference entitled: "Interprofessional Collaboration: Developing a Family Focused Electronic Health Record to Advance Nursing Practice" at the International Family Nursing Association's annual conference in Odense, Denmark. Authors included Drs. Azarbod, Van Gelderen, Royle, Krumwiede, Swan, Krumwiede, Eggenberger & student alum Kuehl. The teaching-learning experiences of family simulation scenarios are embedded throughout courses sequentially to examine family health experiences throughout the lifespan and in various care settings. With support of the Glen Taylor Nursing Institute for Family and Society, the College of Allied health and Nursing, the Computer Science department and Minnesota State University Mankato have collaborated to create an Electronic health Record system that documents family data, family level concerns and strengths, and family interventions. The innovative pedagogies of simulation learning have been integrated with family electronic health records (EHRs) to create effective tools that teach students assessment skills necessary for family care. The EHR includes a genogram and ecomap that

provides students and educators with a visual image capturing family data. Participants received a 'hands-on' experience using the family EHR on supplied iPads and learn how to use family scenarios to enhance their teaching. <https://vimeo.com/136243770> A video depicting a family interview and family meeting intervention. This video enabled conference participants to identify family construct data that could be documented and tracked in the interactive portion of the Maverick Virtual Family EHR experience. The video is now available for educational experiences with students in the undergraduate curriculum.

http://mavtube.mnsu.edu/goto.html?id=0_qvafgtvz



In addition to the preconference faculty worked at the exhibit booth sharing information about the institute and offering interaction with the iPads and Maverick Virtual Family.

Other presentations throughout the International Family Nursing Conference included:

- Azarbod, C., Van Gelderen, S., Royle, C., Krumwiede, K., Swan, M., Krumwiede, N., Eggenberger, S., Kuehl, E. Interprofessional Collaboration: Developing a Family Focused Electronic Health Record to Advance Nursing Practice, collaboration with Department of Computer Science
- Eggenberger, S., Krumwiede, N., Meiers, S. Family Nursing Construct Framework Links Research, Education and Practice
- Eggenberger, S., Sanders, M. Knowledge Translation in Family Nursing Science: Implementing an Intervention to Support Family Nursing Practice in an Adult Intensive Care Unit , collaboration with Fairview Ridges, Burnsville
- Krumwiede, K., Krumwiede, N. Prostate Cancer as a Global Concern for Family Nurses: Men Living with Prostate Cancer
- Krumwiede, N., Krumwiede, K., Van Gelderen, S. Improving Family Health through Community Based Collaborative Action Research
- Looman, W., Eggenberger, S. Teaching Family Nursing at the Graduate Level: Challenges and strategies for Advanced Practice Role Preparation, collaboration with University of Minnesota
- Meiers, S., Eggenberger, S., Krumwiede, N. Measuring Family Processes of Reintegration in Chronic Illness: The Family Caring and Relating Scale: Chronic Illness (FCARES:CI), collaboration with Winona State University
- Royle, C., Krumwiede, N., Van Gelderen, S. Teaching Students to Think Family Through the Use of Geriatric Unfolding Case Studies and Simulation
- Van Gelderen, S., Krumwiede, N. Family Care Rubric: Improving Student Family Care Skills through Education and Simulation
- Young, P., Eggenberger, S., Krumwiede, N. Graduating Baccalaureate Nursing Students' Attitudes toward Family Nursing Practice

Glen and Becky Taylor and Glen Taylor Nursing Institute for Family and Society Received Distinguished Partner in Family Health Care Award by International Family Nursing Association

The International Family Nursing Association honored Glen and Becky Taylor and the Glen Taylor Nursing Institute for Family and Society with the “Distinguished Partner in Family Health Care Award.” The first-ever award recognizes non-International Family Nursing Association members and individuals outside the discipline of nursing, including associations, corporations or non-profit organizations who demonstrate sustained investment and excellence in advancing family-focused health care. Sandra



eggenberger, director of the Glen Taylor Nursing Institute for Family and Society, accepted the award on behalf of Glen and Becky Taylor at the 12th International Family Nursing Association conference, held this year in Odense, Denmark Minnesota State Mankato President Richard Davenport joined Eggenberger in congratulating Glen and Becky Taylor in a news release: “The Glen Taylor Nursing Institute for Family and Society has been instrumental in helping family nursing science to grow and develop worldwide,” said Davenport. “We’re thankful that Glen and Becky Taylor recognized the importance of family nursing in society and helped to start the institute at Minnesota State Mankato. It is fitting that Glen and Becky are the first recipients of this international award.” The IFNA award nomination describes how for more than five years, the Glen Taylor Nursing Institute for Family and Society has played a major role in contributing to the international growth of family nursing and in the development of family nursing practice knowledge.