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CHHS Research and Innovation Annual Report

*THE CHHS CONTINUES TO GROW ITS PROGRAMS AND SUPPORT MECHANISMS FOR FACULTY RESEARCHERS, SCHOLARS, AND INNOVATORS. THIS REPORT SERVES AS A SUMMARY OF THOSE INITIATIVES, THEIR SUCCESSES AND OPPORTUNITIES FOR GROWTH, AND PLANS FOR THE UPCOMING YEAR TO CONTINUE TO SUPPORT OUR FACULTY IN THEIR SCHOLARSHIP.*

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Introduction to the Starfish Model

The “Starfish Model” was developed to provide a framework of values for CHHS Research and Innovation that directly align with the CHHS Strategic Plan. The key values of the Starfish model are as follows:

- Building interprofessional research teams to execute team science
- Training and mentorship of faculty, staff, and students
- Engagement with community partners in research and scholarship
- Diversity in funding sources as well as research topics
- Quality Assurance via establishment of metrics and measuring progress

“Scholarship is to be created not by compulsion, but by awakening a pure interest in knowledge”

~RALPH WALDO EMERSON
Evaluation and Metrics

2014-2015 Faculty Needs Assessment
In order to assess the needs of the college around faculty research and scholarship, CHHS conducted a faculty needs assessments beginning in Summer 2014 and concluding in Spring 2015. Methodology included interviews with stakeholders across campus (e.g., SPARC), a CHHS Faculty Survey \((N=48)\) and faculty interviews, a CHHS Faculty Research Skills Inventory \((N=28)\), and a mentorship focus group study. The results of the Faculty Survey are summarized in the table below:

<table>
<thead>
<tr>
<th>Types of Research Support</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receiving targeted funding opportunities (RFPs)</td>
<td>90%</td>
<td>10%</td>
</tr>
<tr>
<td>Editing support for manuscripts/proposals</td>
<td>83%</td>
<td>17%</td>
</tr>
<tr>
<td>Proposal development support for grants/contracts</td>
<td>83%</td>
<td>17%</td>
</tr>
<tr>
<td>Research mentoring</td>
<td>77%</td>
<td>23%</td>
</tr>
<tr>
<td>Grant writing workshops/training</td>
<td>70%</td>
<td>30%</td>
</tr>
<tr>
<td>Interprofessional faculty writing circles</td>
<td>65%</td>
<td>35%</td>
</tr>
</tbody>
</table>

Results of the Faculty Needs Assessment culminated in the development of the CHHS Research Initiatives, intended to decrease barriers to faculty research participation, such as lack of statistics expertise, time, mentorship, collaborators, recognition, and funding.

CHHS Research Initiatives

- Research Support (See Appendix A)
  It was determined through the Needs Assessment that there were immediate needs in the areas of statistical and pre-award support. Therefore, in years 2 and 3 of the implementation plan for CHHS Research Initiatives, the College of Health and Human Services invested in positions to assist with proposal development and quantitative data
analysis. Additionally, post-award grant support was added to the workload of the Business Core Service Team as a function of College budget and external funding support.

**Statistical Consultant**
This year, the Data and Analytics support for the College, Ms. Maddie Thomas, has graduated and vacated her position. The College will engage in a search to identify another student with expertise in this area to fill the role of Data Support Specialist.

**Pre-Award Grant Support Specialist**
This year, the College added the new position of Pre-Award Grant Support Specialist. After a nationwide search, the position was filled by previous Pre-Award Grant Support Coordinator, Ms. Althea Lewis. Althea completed her transition from previous part-time support as a graduate assistant, to the new full-time position effective June 1, 2017. Althea provides support to faculty in identification of funding opportunities, review of grant proposals and budgets, provision of workshops and trainings, reporting and tracking of grant submissions, and maintenance of research and innovation resources to include a funding calendar.

**Post-Award Grant Support**
While post-award grant support has historically been a function of the CHHS Business Core Service Team through budgeting and purchasing personnel, this function of the team was formalized into the work plan of the Budget Lead position for the team in FY17. Mr. Nathan Holtsclaw assumed the role of Budget Lead for the team, and made tremendous progress in the area of post-award grant support via grant consultations for PIs as well as more formalized methods of budget tracking for grants.

- See “Interprofessional Collaboration” for updates on the following initiatives:
  - Interprofessional Coffee Hour Events
  - Research and Innovation Day
  - Exploratory Interest Meetings
  - Find a Collaborator Database

- See “Mentorship/Training” for updates on the following initiatives:
  - Trainings/Workshops
  - Editing/Review Support
  - Faculty Writing Circles
Research Productivity Tracking:

Research Productivity Reports: Beginning this fiscal year, a monthly report was developed that summarized peer-reviewed publications and presentations as well as grant productivity from each of the academic units within the College of Health and Human Services. In April, this report was presented at the UNCW Research and Grants quarterly meeting.

Tracking of External Grant Submissions
Mentorship and Training

Trainings/Workshops

- **UNCW Grant Writing Bootcamp**
  In September 2016, a bootcamp event was hosted at Wrightsville Beach to train 25 junior investigators from across campus about how to apply for and secure extramural funding. This idea was pitched by CHHS as a strategy to create interprofessional linkages among faculty members from different units as well as an intensive experience for new grant writers. The selected attendees were able to participate in mentorship events throughout the year.

- **Strategies for Seeking Extramural Funding Workshop**
  On December 12, 2016, the CHHS hosted a grant workshop the provided 1.5 continuing education credits to faculty and staff working in the realm of extramural funding. The workshop featured College experts on external grants who presented on review criteria and specific strategies for securing National Institutes of Health, Substance Abuse and Mental Health Services Administration, PECORI, and other extramural sources. Presenters included Justine Reel, Linda Pugh, Barb Lutz, and Althea Lewis. Fifteen CHHS faculty and staff members attended the event, and presentations were recorded for inclusion in the CHHS faculty and staff resources database.

- **Tips for Getting into the Grant Game: How to Develop a Research Plan and Be Successful in Your Journey**
  After the conclusion of public events for Research and Innovation Day 2017, the Keynote speaker, Dr. Cynthia Franklin, delivered an interactive workshop to invited CHHS faculty. The workshop provided individualized help to CHHS faculty about their research in a small group setting. Faculty were provided the opportunity to discuss and receive feedback from the group about their research plans followed by individual consultations with Dr. Franklin.

Editing/Review Support
The Associate Dean of Research and Innovation provides thorough review of proposals for scientific merit, writing, and ability to provide compelling narrative. She also provides editing support for manuscripts upon request. The CHHS Pre-Award Grant Specialist provides assistance to faculty in the areas of budget development and compliance review of their grant submissions.
Faculty Writing Circles
Each week, two faculty writing circles are hosted in order to support faculty in their research and scholarly writing endeavors. Faculty Writing Circles provide goal-setting and accountability support for the development of journal articles, books, book chapters, and grant submissions. In addition to providing mentoring and peer support, Faculty Writing Circles allow attendees a setting to focus on their writing and overcome obstacles that may occur in less directed environments. These events allow faculty to get together and share information and resources while assisting each other on their endeavors in scholarly writing.

Reporting and Celebrating

- **CHHS Talks Newsletter**
  With the implementation of CHHS talks this fiscal year, Research and Innovation has become a consistent monthly feature with articles and kudos to faculty researchers, scholars, grantees, and student mentors. Each month, at a minimum, College research and innovation personnel, with assistance from the schools’ administrative support specialists, compile all scholarly publications and presentations and issue a congratulatory article for the CHHS monthly newsletter. In addition, the newsletter regularly features articles on notable accomplishments of the College and its faculty in the area of research and innovation.

- **Faculty Brag Board**
  The CHHS maintains a bulletin board detailing locations of International presentations delivered by CHHS faculty.

- **Congratulatory Cards**
  Each time a CHHS faculty member submits an external grant, he or she receives a hand-written congratulatory card from the Dean and Associate Dean of Research and Innovation.

- **Multimedia Submissions/OUR collaborations**
  In addition to submission to CHHS talks, KUDOS for grant submissions and awards, publications and presentations are submitted to UNCW’s Research Magazine and SWOOP, as well as University, College, and School social media outlets.

CHHS Resource Page
In order to assist our schools and administrative units with navigating through various business, academic affairs, and administrative processes, Research and Innovation personnel, in collaboration with the Business Core Service Team worked to develop a website for CHHS that will be housed in a single location for use by our faculty and staff. The teams worked together to develop a comprehensive set of resources that will be accessible through the webpage. All of these resources will be maintained on a single webpage in the form of training videos, presentations, and forms that can be accessed by College faculty and staff.

As we enter July, the CHHS service teams have begun collecting resources for uploading to the website. Resources will be linked to a software that will allow those who maintain the resources to update as needed, and these updates will be reflected within the online content in
real time as they occur. This will ensure that forms and resources available online through this web page are continually updated and the most up to date reflection of what is available for use through the College. The webpage is expected to go live on August 1, 2017 in time for distribution to new CHHS faculty members completing their onboarding for fall 2017. CHHS services teams will continue to create and link resources to this page as they become available, with the end-result of a comprehensive page of all CHHS resource needs.
Interprofessional Collaboration

Research and Innovation Day 2017

• Distinguished Researcher
  Dr. Diane Pastor Diane was nominated and selected by the CHHS Research Advisory Council as the Distinguished Researcher for Research and Innovation Day 2017. Dr. Pastor is a nationally certified Adult Nurse Practitioner who teaches in our MSN Family Nurse Practitioner program while maintaining a part time clinical practice as a volunteer provider at Cape Fear Free Clinic in Wilmington. Dr. Pastor has built a program of research and practice focused on family caregiving for older adults with cognitive deficits and serious chronic illness. Dr. Pastor’s presentation focused on the science and experience of building interprofessional health care teams to investigate questions that benefit community caregivers caring for frail older adults with chronic illness and dementia. Using interprofessional models of care, Dr. Pastor illustrated her professional experiences bringing caregivers together to meet the needs of caregiving families and discussed policy implications of this type of research.

• Keynote Speaker
  Dr. Cynthia Franklin, PhD, LCSW was nominated and selected by the Research Advisory Council to deliver a lecture on Solution-Focused Brief Therapy as the Research and Innovation Day Keynote speaker. Dr. Franklin is the Sternberg/Spencer Family Professor in Mental Health and the Associate Dean for Doctoral Education in the School of Social Work at the University of Texas at Austin. Her research focuses on at-risk youths in schools and solution-focused brief Therapy. Solution-focused brief therapy (SFBT) is a brief therapy intervention developed in the 1982 by two social work practitioners and an interdisciplinary team of mental health practitioners at the Brief Family Therapy Center in Milwaukee. Dr. Franklin’s keynote address discussed the process that moved SFBT from a practice that had minimal evidence to one that has been recognized as evidence-based, the process that researchers followed to facilitate research on SFBT, and the subsequent steps that resulted in SFBT’s recognition by the National Registry for Evidence-Based Programs and Practices.

• Poster Showcase (See Appendix C)
  The 2017 Research and Innovation Day Scientific Poster Showcase displayed research and innovative projects from faculty, staff, and students of UNCW’s College of Health and Human Services, UNCW’s SPARC Office, and ECU’s School of Public Health. This was the inaugural year for feature of innovation projects within their own category. Thirty-one projects were submitted and featured in the Poster Showcase in categories of college
populations, law enforcement, healthy aging, environmental concerns, and innovation. See appendix C for a full listing of abstracts from this year’s event.

Find a Collaborator Database
The find a collaborator database is a feature of the CHHS Research and Innovation webpage, where faculty, students, and community partners can find research and applied interests of faculty members. This database serves as a tool for identifying potential faculty collaborators as well as to help students find faculty research mentors.
Community Engagement

Coffee Hour Events
The College continued to host monthly Coffee Hour Events this year. These events are intended to foster faculty and community partner collaboration for research, scholarship, and innovation around specific topics. Events take the form of an informal discussion. The format for the events include an introduction of attendees and their research and community engagement interests, a presentation from Pre-Award support regarding grant opportunities related to the subject matter, and an open discussion regarding opportunities for collaboration. Attendees are added to a listserv where they can communicate with each other regarding opportunities for collaboration. The following events were well-attended by CHHS faculty, staff, and community partners within this fiscal year:

<table>
<thead>
<tr>
<th>DATE</th>
<th>EVENT NAME</th>
<th>EVENT DESCRIPTION</th>
<th>EVENT COLLABORATORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>9/12/2016</td>
<td>Tobacco and Substance Abuse</td>
<td>substance use disorders</td>
<td></td>
</tr>
<tr>
<td>10/24/2016</td>
<td>Sexual Health and STI Prevention</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11/14/2016</td>
<td>Domestic Violence</td>
<td></td>
<td>UNCW Office of Community Engagement</td>
</tr>
<tr>
<td>1/20/2017</td>
<td>Global Health</td>
<td>global health and research</td>
<td>UNCW Office of International Programs</td>
</tr>
<tr>
<td>4/17/2017</td>
<td>Opioid Addiction</td>
<td>opioid use disorders</td>
<td>Center for Healthy Communities</td>
</tr>
</tbody>
</table>

Exploratory Interest Meetings
The College hosts exploratory interest meetings in order to foster interprofessional collaboration for potential projects that may lead to external funding. Faculty, staff, and community partners are notified in person or via email, and meet to discuss opportunities for collaboration on the topic. The purpose of these meetings is to develop interdisciplinary teams around a topic or grant funding opportunity.
Diversity

Diverse Funding Sources
The Research and Innovation Team has increased its efforts to recognize diversity diverse funding sources in its efforts to support faculty researchers. The CHHS Pre-Award Grant Support coordinate keeps an eye towards all federal, state, non-profit, and private sector foundations and organizations when searching for funding opportunities, and faculty are supported on the endeavors to receive funding, regardless of the funding source or the amount of the award. The CHHS also encourages publications and presentations on diverse topics, and assigns resources equally regardless of topic.

International Reach of Scholarship
The CHHS recognizes global scholarship via a brag board that details global locations where CHHS faculty have presented. A snapshot of faculty presentations around the globe are summarized in the table below:

<table>
<thead>
<tr>
<th>Faculty Member</th>
<th>Topic</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bolton, K. W.,</td>
<td>Qualitative Examination of the Perceived Effectiveness of Solution Focused Techniques in Child Welfare</td>
<td>Halifax, Nova Scotia, Canada</td>
</tr>
<tr>
<td>Blundo, R., &amp; Hall, C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Franzidis, A</td>
<td>Tourism is Modern Times</td>
<td>Palma de Mallorca, Spain</td>
</tr>
<tr>
<td>Franzidis, A</td>
<td>Examining the challenges and complexities of developing sustainable tourism</td>
<td>Huntsville, Ontario, Canada</td>
</tr>
<tr>
<td>Reel, J.J., &amp; Gray, C</td>
<td>Injury, body dissatisfaction, and disordered eating among dancers: Exploring potential relationships</td>
<td>Essen, Germany</td>
</tr>
<tr>
<td>Sinclair, S.,</td>
<td>Exploring Interest in the Use of a Complementary Therapy Among Individuals with COPD</td>
<td>Vienna, Austria</td>
</tr>
<tr>
<td>Kerr, J., &amp; Reel, J</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sinclair, S.,</td>
<td>Exploring interest in the Use of a Complimentary Therapy among COPD Patients</td>
<td>Vienna, Austria</td>
</tr>
<tr>
<td>Kerr, J., Boyce,</td>
<td></td>
<td></td>
</tr>
<tr>
<td>R.W., &amp; Reel, J</td>
<td>Evaluating in utero medication exposure and maternal disease on infants: The importance of pediatric follow-up information</td>
<td>Lisbon, Portugal</td>
</tr>
<tr>
<td>Sinclair, S.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Council Updates

RESEARCH ADVISORY COUNCIL
AY 16 -17 Activity Report

Council Chair Justine J. Reel

AY 16 – 17 Council Members

<table>
<thead>
<tr>
<th>Name</th>
<th>Representing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Justine Reel</td>
<td>CHHS Dean’s Office</td>
</tr>
<tr>
<td>Candy Ashton</td>
<td>School of Health and Applied Human Sciences</td>
</tr>
<tr>
<td>Kristin Bolton</td>
<td>School of Social Work</td>
</tr>
<tr>
<td>Stephanie Turrise</td>
<td>School of Nursing</td>
</tr>
<tr>
<td>Lenis Chen Edinboro</td>
<td>School of Health and Applied Human Sciences</td>
</tr>
<tr>
<td>Reginald York</td>
<td>School of Social Work</td>
</tr>
<tr>
<td>Linda Pugh</td>
<td>School of Nursing</td>
</tr>
</tbody>
</table>

AY 16 – 17 Deliverables

1. Develop strategic plan, complete with resource plan for enhancing the research output of the College faculty and students.
2. Take the lead on planning, implementation, and evaluation of the 2017 Research Day of the annual CHHS Health and Human Services Week.
3. Assist Associate Dean for Research and Innovation in scholarship support activities (e.g., Coffee Hours, Writing Circles, etc.) Discuss ways to honor faculty research mentors (especially of an interprofessional nature) as well as strategies to promote/encourage interprofessional research mentorship models in CHHS.

AY 16 – 17 Initiatives

- Pre-Award Grant Specialist: Council collaborated on the job responsibilities and position description for this role, as well as served as Search Committee representatives for the recruitment of this position.
- Community Engagement Grants: Council members reviewed grants and approved submissions per review criteria set forth by the Dean

Research and Innovation Day 2017
The Council brought Dr. Cynthia Franklin to campus to speak about Solution Focused Brief Therapy.

The Council reviewed nominations and selected Dr. Diane Pastor as the Distinguished Researcher for Research and Innovation Day. Diane presented on inter-professional health care teams to benefit community caregivers caring for frail older adults with chronic illness and dementia.

The Council reviewed abstracts and selected research presenters for the Research and Innovation Day Scientific Poster Showcase, and secured 32 presenters from UNCW and ECU for this year’s event.

The Council provided input on the program and sequence of events for Research and Innovation Day.

Council members served as faculty ambassadors during Research and Innovation Day.

Council Reports/Publications

- Research and Innovation Day Poster Key
- AY 16-17 Activity Report

Work Plan for AY 17 - 18

Ongoing Business

- Research and Innovation Day logistics, abstract review for Scientific Poster Showcase, selection of Keynote speaker and Distinguished Researcher, and representation as faculty ambassadors.

Year 4 Research Support and Infrastructure Feedback

New Business

- Development and Deployment of a feedback mechanism regarding college research support and infrastructure.
AY 16 – 17 Council Members

<table>
<thead>
<tr>
<th>Name</th>
<th>Representing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Justine Reel</td>
<td>CHHS Dean’s Office</td>
</tr>
<tr>
<td>Jared Kerr</td>
<td>School of Nursing</td>
</tr>
<tr>
<td>Noell Rowan</td>
<td>School of Social Work</td>
</tr>
<tr>
<td>Lisa Sprod</td>
<td>School of Health and Applied Human Sciences</td>
</tr>
<tr>
<td>Robert Boyce</td>
<td>School of Health and Applied Human Sciences</td>
</tr>
<tr>
<td>Craig Galbraith</td>
<td>Cameron School of Business</td>
</tr>
<tr>
<td>Nancy Ahern</td>
<td>School of Nursing</td>
</tr>
</tbody>
</table>

AY 16 – 17 Deliverables

1. Continue to develop, implement, and assess the CHHS innovation framework for vetting faculty, staff, and student projects.
2. Develop strategic plan, complete with resource plan for enhancing innovation output of the college faculty and students.
3. Take the lead in development of Innovation Program(s) as a part of the Annual CHHS Health and Human Services Week (i.e., Research and Innovation Day 2017).
4. Create a pilot course on Innovation and Entrepreneurship in Health and Human Services to be offered summer or fall 2017.
5. Explore ways to support faculty, staff, and student innovators within the college (e.g., innovation grant competition).
6. Discuss how innovation fits into RTP and strategies to create scholarship deliverables from innovation projects.

AY 16 – 17 Initiatives

- Pre-Award Grant Specialist: Council collaborated on the job responsibilities and position description for this role, as well as served as Search Committee representatives for the recruitment of this position.
- CHHS Research and Innovation Course: Council provided feedback on the syllabus and exploratory trip to Sweden in order to begin course development.

**Benefits and Barriers to Faculty Innovation**

- The Council met with faculty entrepreneurs from each academic unit to learn more about faculty innovation processes at UNCW, and benefits and barriers within the process in its current state.
- Council brainstormed additional support that will aid faculty innovators at the college and university level.
- Council developed scientific poster and presented on “Benefits and Barriers to Faculty Innovation” during Research and Innovation Day’s Scientific Poster Showcase.

**Research and Innovation Day 2017**

- The Council reviewed and selected contractors that served as exhibitors during Research and Innovation Day.
- Council members reviewed abstract submissions and selected innovation presenters for the Research and Innovation Day Scientific Poster Showcase.
- Council members served as faculty ambassadors during Research and Innovation Day.

**Council Reports/Publications**

AY 16-17 Activity Report
Abstract and Poster Presentation, “Benefits and Barriers to Faculty Innovation”
(In preparation) Peer-Reviewed Scholarly Publication, manuscript on “Benefits and Barriers to Faculty Innovation”

**Work Plan for AY 17 - 18**

**Ongoing Business**

Research and Innovation Day logistics, abstract review of innovation projects for Scientific Poster Showcase, selection of Exhibitors, and representation as faculty ambassadors.

Vetting ideas for innovation projects within the College of Health and Human Services

**New Business**

Aging Hackathon in collaboration with the UNCW Center for Innovation and Entrepreneurship
Develop a process map for submission of innovation projects in CHHS.
Develop a system for vetting ideas for innovation submissions.
Initiative 3 for AY 17-18
Appendices

a. Research and Innovation Team.....19
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# Research Team Who Card

## CHHS Research and Innovation

**WHO CARD**

Please Direct General Inquiries to [CHHS_RandI@uncw.edu](mailto:CHHS_RandI@uncw.edu)

<table>
<thead>
<tr>
<th>Member</th>
<th>Area of Responsibility</th>
<th>Contact Info</th>
<th>Member</th>
<th>Area of Responsibility</th>
<th>Contact Info</th>
</tr>
</thead>
<tbody>
<tr>
<td>Justine Reel</td>
<td>Grant proposal reviews, Internal grant reviews, Faculty writing circles, Interprofessional collaborations and matchmaking, Innovation projects, Training</td>
<td><a href="mailto:Reelj@uncw.edu">Reelj@uncw.edu</a>, Phone: 2-7341, Academic Affairs Annex 107</td>
<td>Althea Lewis</td>
<td>Grant proposal development and budget support, Finding funding opportunities, Funding Calendar, Assisting with grant submissions, External grant consultation, Grant Training</td>
<td><a href="mailto:Lewisat@uncw.edu">Lewisat@uncw.edu</a>, Phone: 2-7759, McNeill Hall 1038</td>
</tr>
<tr>
<td>Vacant</td>
<td>Graphical data representations, Quantitative data analysis, Tabular data representations</td>
<td>Email, Phone: 2- Location</td>
<td>Ashlee Jensen</td>
<td>Research Event Logistics, Emergency Contact for the Team</td>
<td><a href="mailto:Jensena@uncw.edu">Jensena@uncw.edu</a>, Phone: 2-7798, Academic Affairs Annex 111</td>
</tr>
</tbody>
</table>

## Other CHHS Resources

- **Post-Award Grant Support – Nathan Holtsclaw**
  [holtsclawn@uncw.edu](mailto:holtsclawn@uncw.edu), 2-7849, McNeill Hall 1038
- **SPARC Grants Officer – Patty Fox**
  [foxp@uncw.edu](mailto:foxp@uncw.edu), 2-2131, McNeill Hall 2059-B
- **UNCW Office of Innovation and Commercialization**
  [oic@uncw.edu](mailto:oic@uncw.edu)
- **Health and Human Services Librarian - John Osinski**
  [osinskij@uncw.edu](mailto:osinskij@uncw.edu), 2-4271, Randall Library 2059
### CHHS Research and Innovation: Find a Collaborator

<table>
<thead>
<tr>
<th>Name</th>
<th>Rank</th>
<th>School/Unit</th>
<th>Scholarly and Research Interests</th>
<th>Clinical/Applied Interests</th>
<th>Populations of Interest</th>
<th>Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nancy Ahern</td>
<td>Associate Professor</td>
<td>SON</td>
<td>Adolescent Risk &amp; Resilience&lt;br&gt;Risky Behaviors of Youth and Adolescents&lt;br&gt;Applied Learning Pedagogies&lt;br&gt;Use of Art in the Classroom&lt;br&gt;Online Learning Perinatal Loss and Grief&lt;br&gt;Mother's - Fetal Attachment</td>
<td>Maternal-Child Nursing</td>
<td>Youth, Adolescents, &amp; Families&lt;br&gt;Mothers &amp; Babies&lt;br&gt;College Students</td>
<td>Quantitative &amp; Qualitative (Planarian Critical Incident Technique)</td>
</tr>
<tr>
<td>Omar Alzighiri</td>
<td>PhD, MSN, RN, Assistant Professor</td>
<td>SON</td>
<td>Management of Chronic Health Conditions, Heart failure readmissions, Nursing management</td>
<td>Critical Care Nursing&lt;br&gt;Adult Health Nursing, Nursing Education</td>
<td>Older adults, Nurses, Nursing administrator</td>
<td></td>
</tr>
<tr>
<td>Jane Anderson</td>
<td>Lecturer</td>
<td>SON</td>
<td>Undergraduate Nursing Education, Teaching, Learning Gerontology&lt;br&gt;Applied Learning Strategies</td>
<td>Healthy Aging Simulation in Nursing Education</td>
<td>Older Adults, Students Faculty</td>
<td>N/A</td>
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<tr>
<td>Tamatha Arms</td>
<td>Associate Professor</td>
<td>SON</td>
<td>Geropsychiatry&lt;br&gt;Adult/Acute and Family PMH</td>
<td>Older adults</td>
<td>Quantitative Mixed methods&lt;br&gt;Critical Incident</td>
<td></td>
</tr>
<tr>
<td>Candy Ashton</td>
<td>Professor, Program Coordinator</td>
<td>SON</td>
<td>Older women, Dementia/LTC&lt;br&gt;Wheelchair sports&lt;br&gt;Evidence-based practice&lt;br&gt;Leisure behavior</td>
<td>Management evaluation&lt;br&gt;evidence-based practice</td>
<td>Individuals with disabilities&lt;br&gt;Older adults</td>
<td>Qualitative methods&lt;br&gt;Participatory research</td>
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<tr>
<td>Mitzi Averette</td>
<td>MSN, RN, CNE, CHSE, Lecturer</td>
<td>SON</td>
<td>Simulation/Online Learning</td>
<td>Foundations Leadership</td>
<td>Healthcare students-all patient populations</td>
<td>Simulation and online learning</td>
</tr>
<tr>
<td>Laurie Badzek</td>
<td>LLM, JD, MS, RN, FAAN; DI, SON</td>
<td></td>
<td>Ethics Consultation&lt;br&gt;Nursing Licensure Defense</td>
<td>Elderly and vulnerable populations&lt;br&gt;Staff Nurses working at the bedside</td>
<td>Qualitative and quantitative</td>
<td></td>
</tr>
<tr>
<td>Melissa Barber</td>
<td>MSN, RN Lecturer</td>
<td>SON</td>
<td>Online Nursing Education</td>
<td>Foundations Critical Care</td>
<td>Online Nursing Students/Faculty&lt;br&gt;Geriiatrics</td>
<td>Mixed</td>
</tr>
<tr>
<td>Name</td>
<td>Rank/Title</td>
<td>School/Unit</td>
<td>Scholarly and Research Interests</td>
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<tr>
<td>Christian Barnes</td>
<td>Lecturer</td>
<td>SHAHS Exercise Science</td>
<td>Pedagogical innovations</td>
<td>Optimizing academic performance in laboratory settings</td>
<td>College age</td>
<td>Applied research</td>
</tr>
<tr>
<td>April Bice</td>
<td>PhD, CPNP, Assistant Professor</td>
<td>School of Nursing</td>
<td>Neonates, Infants, Children, Adolescents; Applied learning of writing for publication.</td>
<td>Pediatric Health</td>
<td>Qualitative methods, qualitative descriptive, content analysis.</td>
<td></td>
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<tr>
<td>Robert Blundo</td>
<td>PhD</td>
<td>SSW</td>
<td>Solution—Focused and Strengths; Masculinity; Service Learning pedagogy; Rural Social work; Military Social work; Traumatic events &amp; crisis work; Child protective services; Solution—focused &amp; Positive in School teaching and counseling; Happiness, Wellbeing, Flow, positive psychology and neurosciences</td>
<td>Child protective services; School social work (structure, pedagogy and counseling); Clinical social work practice including wellbeing, hope and positivity</td>
<td>Children &amp; families, African American males, Rural communities</td>
<td>Qualitative methods: Written documentation and Video Documentary work, Program development &amp; evaluation</td>
</tr>
<tr>
<td>Kristin Bolton</td>
<td>PhD, MSW</td>
<td>SSW</td>
<td>Any</td>
<td>Program evaluation, healthy psychological development, evidence base of solution focused brief therapy, violence prevention, and re—entry programs.</td>
<td>Any</td>
<td>Program evaluation; Quantitative methods; Qualitative methods</td>
</tr>
<tr>
<td>Robert Boyce</td>
<td>Ph.D. Associate Professor</td>
<td>SHAHS Exercise Science</td>
<td>Occupational Physiology</td>
<td>Improved performance in occupational settings with physical demands</td>
<td>Police, firefighters; Sedentary occupations</td>
<td>Quantitative &amp; mixed methods</td>
</tr>
<tr>
<td>Traci Bramlett</td>
<td>DNP, RN, FNP—C, Assistant Professor</td>
<td>SON</td>
<td>Nursing Education Simulation Online Learning Technology</td>
<td>Adult Health</td>
<td>Nursing Students</td>
<td>Quantitative</td>
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<tr>
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<tr>
<td>Kathy Browder</td>
<td>Office of the Dean</td>
<td>CHHS</td>
<td>Injury etiology and prevention&lt;br&gt;Higher education leadership in health &amp; human services</td>
<td>Prevention of physical activity&lt;br&gt;Injury and disease prevention</td>
<td>Vulnerable populations&lt;br&gt;Women</td>
<td>Quantitative Methods</td>
</tr>
<tr>
<td>Kirk W. Brown</td>
<td>PH.D., LAT, ATC</td>
<td>SHAHS Athletic Training</td>
<td>Curriculum instruction and design in higher education and assessment of student learning in a competency-based education program</td>
<td>Clinical proficiency assessment and evaluation using evidence—based practice</td>
<td>University/college athletic training students&lt;br&gt;Mothers and infants</td>
<td>Quantitative methodology survey research</td>
</tr>
<tr>
<td>Lolita Bryant</td>
<td>MSN—NE, RN Lecturer</td>
<td>SON</td>
<td>Efficacy of a Postpartum Depression Education Program: Improving the Knowledge of Registered Nurses Practicing in Acute Care Settings Lifestyle factors associated with mental health, including nutrition and sleep; Gerontology</td>
<td>Antepartum Labor &amp; Delivery and Postpartum Registered Nurses</td>
<td>Women’s and Children's Registered Nurses and Postpartum Delivery Nurses</td>
<td>Non—Experimental descriptive</td>
</tr>
<tr>
<td>Lenis Chen—Edinboro</td>
<td>Ph.D., Ed.M.</td>
<td>SHAHS Public Health Studies</td>
<td>Obesity&lt;br&gt;Attitudes towards Individuals with Disabilities&lt;br&gt;Motor Skill Acquisition Diversity and Inclusion</td>
<td>Nutrition &amp; behavior; Sleep medicine&lt;br&gt;Public Schools&lt;br&gt;Individuals with disabilities&lt;br&gt;Public service/applied learning sites&lt;br&gt;Transition for Students on the Autism Spectrum</td>
<td>Older adults; Individuals across the lifespan&lt;br&gt;Qualitative &amp; Mixed Methods&lt;br&gt;School—age children&lt;br&gt;Multivariate Data Analysis</td>
<td>Quantitative Methods</td>
</tr>
<tr>
<td>C. Sue Combs</td>
<td>Ph.D. Professor, Program Coordinator</td>
<td>SHAHS Physical Education &amp; Health</td>
<td>Program Evaluation</td>
<td>Accreditation</td>
<td>College Students</td>
<td>Survey Research</td>
</tr>
<tr>
<td>Randy Cottrell</td>
<td>Ph.D. Professor, Program Coordinator</td>
<td>SHAHS Public Health Studies</td>
<td>Research Methods&lt;br&gt;Profession Quality Assurance</td>
<td>Chronic Disease Management in the Adult population (main focus=cardiovascular diseases)</td>
<td>Mixed methods research&lt;br&gt;Adaptive supports for individuals who have a disability&lt;br&gt;Individuals with disabilities and/or chronic health conditions&lt;br&gt;Complementary &amp; alternative functional interventions</td>
<td>Applied research&lt;br&gt;Qualitative research: Phenomenology</td>
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<tr>
<td>Rebecca Crawford</td>
<td>PhD, RN Assistant Professor</td>
<td>SON</td>
<td>Lifestyle modification for primary and secondary prevention of Cardiovascular Disease.&lt;br&gt;Chronic Disease management&lt;br&gt;Physical Activity</td>
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<tr>
<td>Brandi M. Crowe</td>
<td>Ph.D., LRT/CTRS Assistant Professor</td>
<td>SHAHS Recreation Therapy</td>
<td>Stress &amp; coping processes&lt;br&gt;Evidence—based practice</td>
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<tr>
<td>Robin P Cunningham</td>
<td>MSN, LNCC, CNE, CHSE Simulation Center Coordinator</td>
<td>SON</td>
<td>Simulation impact on patient outcomes, Mindfulness in Simulation</td>
<td></td>
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<td>Mixed Methods</td>
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Updated 6/30/17
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<th>Name</th>
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<th>School/Unit</th>
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<th>Populations of Interest</th>
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<tr>
<td>Crystal Dodson</td>
<td>Ph.D., RN, MSN, BC-ADM</td>
<td>SON</td>
<td>Precision Medicine/Pharmacogenomics Genetics</td>
<td>Continuing Education/Oncology/Diabetes</td>
<td>Healthcare providers-all population Nursing Students</td>
<td>Mixed Methods</td>
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<td>Assistant Professor</td>
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<td>Academic Advising;</td>
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<td>Deborah A. Dowd</td>
<td>Ed.D. Associate Professor</td>
<td>SHAHS</td>
<td>Health &amp; Wellbeing of children with animal therapy intervention</td>
<td>Animal-Assisted Therapy</td>
<td>Children with Special Needs</td>
<td>Quantitative &amp; Mixed Methods</td>
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<td>Exercise Science</td>
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<tr>
<td>Kelly Ellington</td>
<td>DNP, APRN, WHNP-BC, RNC-OB</td>
<td>SON</td>
<td>Women's Health Oncology; Women's Health Issues</td>
<td>WHNP's improving outcomes; Web-Based Perinatal Education</td>
<td>Women's Health - adolescence through lifespan</td>
<td>Mixed Methods</td>
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<td>Steve Elliott</td>
<td>Ph.D., Associate Professor</td>
<td>SHAHS</td>
<td>Effective teaching strategies in k-12</td>
<td>Supervision &amp; evaluation of k-12 teachers</td>
<td>Children in k-12 schools</td>
<td>Quantitative, qualitative, &amp; mixed methods</td>
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<tr>
<td></td>
<td>&amp; Associate Director</td>
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<td>Active teaching strategies in large college classes</td>
<td>Childhood physical activity and obesity</td>
<td>College students enrolled in large classes</td>
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<td>Administration / Leadership in Higher Education</td>
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<tr>
<td>Nasrin Falsafii</td>
<td>PhD, RN, PMHCNS—BC</td>
<td>SON</td>
<td>Clinical Research</td>
<td>Use of Holistic Modalities</td>
<td>Individuals with mental health issues; and chronic disorders</td>
<td>Quantitative and Qualitative Methods</td>
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<td>Assistant Professor</td>
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<td>Jorge L. Figueroa</td>
<td>Ph.D. Lecturer</td>
<td>SHAHS</td>
<td>Risk Reduction HIV / AIDS</td>
<td>Minority Health / Health Disparities</td>
<td>Underserved Communities &amp; Vulnerable Populations</td>
<td>Quantitative methods</td>
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<td>Public Health Studies</td>
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<td>Jane Fox</td>
<td>EdD, PPCNP—BC</td>
<td>SON</td>
<td>Sexually transmitted infections</td>
<td>Teaching Interests: Epidemiology</td>
<td>College students MSM</td>
<td>Program evaluation</td>
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<td>Professor</td>
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<tr>
<td>Art Frankel</td>
<td>PhD</td>
<td>SSW</td>
<td>Public Health Pedagogy</td>
<td>Public Health Pedagogy</td>
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<tr>
<td>Alexia Franzidis</td>
<td>Ph.D. Assistant. Professor</td>
<td>SHAHS</td>
<td>NPs and practice International</td>
<td>Pediatric primary care</td>
<td>Domestic violence and Children</td>
<td>Qualitative</td>
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<td>Recreation, Sport Leadership &amp; Tourism Management</td>
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<tr>
<td>Elizabeth Fugate-Whitlock</td>
<td>PhD Lecturer</td>
<td>SHAHS</td>
<td>Sustainable Tourism, Community Based Tourism Study Abroad; Tourism Transformation, Responsible Tourism Development, and Third Sector Organizations in Tourism</td>
<td>Marital therapy; Behavior therapy; Family therapy; Gestalt therapy</td>
<td>Low income populations</td>
<td>Program evaluation; quantitative</td>
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<td>Gerontology</td>
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<tr>
<td>Elizabeth Ganza</td>
<td>PhD, RN, LCCE, FACCE</td>
<td>SON</td>
<td>Nursing faculty development, leadership, scholarly writer development, online education, healthful work environments, mentoring</td>
<td>Online education Women’s health</td>
<td>Nursing faculty Online educators</td>
<td>Qualitative Hermeneutic phenomenology</td>
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<tr>
<td>Anne Glass</td>
<td>PhD, Professor, Program Coordinator</td>
<td>SIAHS, Gerontology</td>
<td>Housing, sense of community, and mutual support (with elder cohousing as a particular focus) Global aging and cross-cultural comparisons</td>
<td>Innovative housing and community options to improve quality of life for older adults Improving long-term and end-of-life care</td>
<td>Older adults and their families and friends</td>
<td>Staff working with older adults</td>
</tr>
<tr>
<td>Anne-Marie Goff</td>
<td>PhD, RN, Assistant Professor</td>
<td>SON</td>
<td>Stressors, Learned Resourcefulness &amp; Academic Performance in Baccalaureate Nursing Students Simulation in Nursing Education: Teaching Across Generations Creative Teaching Strategies Issues in Higher Education Resilience in Nursing &amp; Social Work Students</td>
<td>Simulation in Nursing &amp; Health Care Education</td>
<td>Baccalaureate Nursing students CHHS Students</td>
<td>Quantitative Mixed Methods</td>
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<tr>
<td>Nancy Grant</td>
<td>MSN, RN, CCRN, Lecturer</td>
<td>SON</td>
<td>Civility in the classroom</td>
<td>Health Assessment Critical Care</td>
<td>Undergraduate</td>
<td>Lecture Clinical Online</td>
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<tr>
<td>Cara Gray</td>
<td>MS, CTRS, Assistant Professor</td>
<td>SHAHS, Recreation Therapy</td>
<td>Autism Spectrum Disorders; Behavioral Health; Assessment; Inclusion; Social Skills; Wellness</td>
<td>ADA Legislation IDEA Legislation Assessment Evidence-based Practice Policy &amp; Protocol Development</td>
<td>Individuals with intellectual, emotional and/or developmental disability</td>
<td>Qualitative (primary) &amp; Quantitative</td>
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<tr>
<td>Chris Hall</td>
<td>PhD</td>
<td>SSW</td>
<td>The effectiveness of clinical counseling in real world settings; The effective of teaching clinical counseling skills; The development &amp; application of clinical practice &amp; support models for direct &amp; preventative care</td>
<td>The effectiveness of clinical counseling in real world settings; The effective of teaching clinical counseling skills; The development &amp; application of clinical practice &amp; support models for direct &amp; preventative care. the use of manualized treatments in mental health, fidelity to a model of practice, and if fidelity correlates to outcome</td>
<td>All</td>
<td>Research methods: Qualitative &amp; quantitative Clinical methods trained with individuals, families, and groups: Solution focused, Solution oriented, Client-directed outcome, Informed (CCDI) Narrative; Cognitive Motivational, Structural Family, Transgenerational</td>
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<tr>
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<td>Charles J. Hardy</td>
<td>PhD, Professor and Dean</td>
<td>CHHS</td>
<td>Social influences and determinants of health &amp; human performance</td>
<td>Team building and organizational change</td>
<td>Underserved Communities &amp; Vulnerable Populations i.e., children &amp; young adults</td>
<td>Quantitative &amp; Mixed Methods</td>
</tr>
<tr>
<td>Martha Hepler</td>
<td>MSN/Ed., RN, CHSE, Lecturer</td>
<td>SON</td>
<td>Community based Participatory Research Obesity</td>
<td>Public Health</td>
<td>Students at all levels</td>
<td>Simulation</td>
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<tr>
<td>James H. Herastine</td>
<td>PhD, Professor Program Coordinator</td>
<td>SHAHS, Recreation, Sport Leadership and Tourism Management</td>
<td>Human Dimensions of Natural Resource Management</td>
<td>Organizational Management &amp; Administration</td>
<td>All populations</td>
<td>Qualitative and Mixed Methods</td>
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<tr>
<td>Carol Highsmith</td>
<td>MPA, RN, Dc, Lecturer</td>
<td>SON</td>
<td>Visitor Preferences</td>
<td>Service Learning</td>
<td>Reducing health disparities in vulnerable populations.</td>
<td>Qualitative and Mixed Methods</td>
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<tr>
<td>Denise Isabel</td>
<td>DNP, RN, CNF, Assistant Professor</td>
<td>SON</td>
<td>Health Literacy, Chronic disease management, aging populations, quality improvement</td>
<td>Health Literacy</td>
<td>Health literate organizations, communities</td>
<td>Translational Mixed Methods</td>
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<tr>
<td>Amanda Jeffries</td>
<td>MSN, RN, Lecturer</td>
<td>SON</td>
<td>Preventing critical care admissions in chronically ill Best practices in online learning</td>
<td>Critical care nursing</td>
<td>Underserved and critically Ill Online Students</td>
<td>N/A</td>
</tr>
<tr>
<td>Dan Johnson</td>
<td>PhD, Associate Professor</td>
<td>SHAHS, Recreation Therapy</td>
<td>Health of persons with disabilities</td>
<td>Community recreation therapy</td>
<td>Persons with disabilities &amp; their families</td>
<td>Quantitative and Mixed Methods</td>
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<tr>
<td>Andrea Jones</td>
<td>PhD, MSW, LSW, Assistant Professor</td>
<td>SSW</td>
<td>Volunteerism, civic engagement, service learning, veterans’ issues, end-of-life decision making &amp; health policy</td>
<td>Mindfulness</td>
<td>Veterans, Older adults</td>
<td>Applied Research</td>
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<tr>
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<tr>
<td>Carolyn Jones</td>
<td>PhD, MSN, NNP-BC, Lecturer</td>
<td>SON</td>
<td>Caregivers of individuals with chronic illness; Transitions in health care; Teaching ethics, informatics, and genomics throughout the nursing curriculum</td>
<td>Access to care for individuals with disabilities and chronic illness; Care coordination through healthcare transitions</td>
<td>Children with chronic illness and their families; Individuals with disabilities</td>
<td>Qualitative; Mixed methods; Instrument development</td>
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<tr>
<td>Janet Jones</td>
<td>MSN, RN, CPNP, Lecturer</td>
<td>SON</td>
<td>RN to BSN online Curricular Models—Development and Delivery Design</td>
<td>Community Preparedness Communicable Disease</td>
<td>Nursing Students Licensed RNP's</td>
<td>Qualitative Quantitative</td>
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<tr>
<td>Jeanne Kemppainen</td>
<td>PhD, RN, FAAN, Professor</td>
<td>SON</td>
<td>Chronic Illness HIV/AIDS Self Management in Chronic Illness Mental health</td>
<td>Mental Health</td>
<td>Underserved, vulnerable populations with HIV/AIDS, diabetes, hypertension or other chronic illnesses</td>
<td>Quantitative methods Critical Incident Technique</td>
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<tr>
<td>Jared Kerr</td>
<td>JD, MPH, BS, Assistant</td>
<td>SON</td>
<td>Clinical Research and Biopharmaceutical Development Catalysts and barriers to scientific innovation Project Management Product Development Productivity Technology Transfer Regulatory Affairs Data Visualization</td>
<td>Clinical Research Clinical research instruction Global Health</td>
<td>Biopharmaceutical companies and vendors Entrepreneurs Regulatory agencies</td>
<td>Quantitative Data mining Data visualization Business analytics Decision analysis</td>
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<tr>
<td>Yeoun Soo Kim-Godwin</td>
<td>PhD, MPH, CNE, RN, Professor</td>
<td>SON</td>
<td>Spirituality, Spiritual Wellbeing</td>
<td>Spiritual Interventions</td>
<td>Vulnerable Population Mixed Methods</td>
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<tr>
<td>Stacey Kolomer</td>
<td>PhD, Interim Director</td>
<td>SSW</td>
<td>Caregiving, Burn survivorship, Volunteering</td>
<td>Older adults, interprofessional interests</td>
<td>Older adults, Caregivers Survey research, Qualitative interviewing</td>
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</tr>
<tr>
<td>RuthAnne Kuiper</td>
<td>PhD, RN, CNE, ANEF, Professor</td>
<td>SON</td>
<td>Clinical reasoning Metacognition Critical Thinking Simulation Faculty Mentoring</td>
<td>Acute Care Nursing <strong>Cardiology</strong> <strong>Rural Health</strong> *Primary Care Health Promotion *Nursing student satisfaction</td>
<td>Adults</td>
<td>Qualitative, Quantitative</td>
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<tr>
<td>Kelly Laham</td>
<td>MSN, RN, ANP-BC, CNE, Lecturer</td>
<td>SON</td>
<td>Rural health, Women’s heart disease, Mental health (specifically in rural health), NP role, Nursing student satisfaction with applied learning</td>
<td><strong>Cardiology</strong> <strong>Rural Health</strong> *Primary Care *Health Promotion *Nursing student satisfaction</td>
<td>Rural, Adults Nursing Students</td>
<td>Survey, Questionnaire</td>
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<td>Chris Lantz</td>
<td>Ed. D., Professor, Director of SHAHS</td>
<td>SHAHS</td>
<td>Body Image and dysmorphia, leadership, pedagogical practices</td>
<td>N/A</td>
<td>At risk youth</td>
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<tr>
<td>Sarah Lawson</td>
<td>PhD, LCSW Assistant Professor</td>
<td>SON</td>
<td>Sexual Assault Prevention Emergency Nursing, Forensic Nursing</td>
<td>Acute Ill/Emergency situations</td>
<td>Sexual Assault Victims</td>
<td>Quantitative, Mixed Methods</td>
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<tr>
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<td>Jacqueline Lee</td>
<td>PhD, LCSW Assistant Professor</td>
<td>SSW</td>
<td>Social work education / innovative pedagogical methods</td>
<td>Mental health — Trauma — Self-care — Mindfulness — Field education Health Policy Interdisciplinary Collaboration</td>
<td>Social workers — Children — Older adults — Grandparents — Raising grandchildren</td>
<td>Quantitative &amp; qualitative methods; Program evaluation Analysis</td>
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<tr>
<td>Tamara Link</td>
<td>DNP, FNP-BC Assistant Professor</td>
<td>SON</td>
<td>Antibiotic Stewardship in outpatient settings, Military Populations</td>
<td>Outpatient Urgent Care, Primary Care</td>
<td>NP's, PA, Physicians in outpatient settings</td>
<td>Quantitative</td>
</tr>
<tr>
<td>Barbara Lutz</td>
<td>PhD, RN, CRN, AP rhIN-BC, FAHA, FNP, FAAN, McNeil Distinguished Professor</td>
<td>SON</td>
<td>Community—based models of care for adults with chronic/disabling illnesses; Family caregiving</td>
<td>Gerontology Public Health Rehab Nursing</td>
<td>Aging adults Adults with chronic illness</td>
<td>Qualitative research w/expertise in grounded theory</td>
</tr>
<tr>
<td>James Lyon</td>
<td>PharmD, FCCP, Lecturer</td>
<td>SON</td>
<td>Bioequivalence Pharmacokinetics</td>
<td>Clinical Research</td>
<td>All</td>
<td>N/A</td>
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<tr>
<td>April Matthias</td>
<td>PhD, RN, CNE, Assistant Professor</td>
<td>SON</td>
<td>Nursing History Entry—level Nursing Education Programs, Online Nursing Education Pedagogy, Professional Identity and Role Development of the Nurse</td>
<td>Nursing Practice Differentiation</td>
<td>Nursing Students Entry-level Nurses</td>
<td>Historical research</td>
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<tr>
<td>Brandy Meckling</td>
<td>PhD, RN, PMHCNS-BC Assistant Professor</td>
<td>SON</td>
<td>Child &amp; Adolescent Risk &amp; Resilience, Adverse Childhood Experiences (ACEs) &amp; Young (Emerging) Adult Outcomes Impact of Parental Mental Illness on Children &amp; Adolescents Parental Depression and the Impact on the Parent—Child Relationship Youth Caregiving of a Parent with Mental Illness, Ambiguous Loss Theory, Retrospective Self—Report</td>
<td>Mental Health Nursing Family Mental Health Psychotherapy with Children, Adolescents, &amp; Young Adults Community Partnerships</td>
<td>Youth, Adolescents, &amp; Families — Young (Emerging) Adults / College Students</td>
<td>Quantitative — Mixed Methods — Interviews Focus Groups</td>
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27 | Updated 6/30/17
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<thead>
<tr>
<th>Name</th>
<th>Rank</th>
<th>School/Unit</th>
<th>Scholarly and Research Interests</th>
<th>Clinical/Applied Interests</th>
<th>Populations of Interest</th>
<th>Methods</th>
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<tbody>
<tr>
<td>Lori Messinger</td>
<td>PhD, Professor</td>
<td>SSW</td>
<td>Practice with LGBTQ Populations Multicultural education Organizational policy change</td>
<td>Field education</td>
<td>LGBTQ</td>
<td>Qualitative Methods</td>
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<td>Coping in hospital environments Physical Fitness and children with disabilities Evidence-based practice Aquatic Therapy</td>
<td>Supporting LGBTQ teens State-level policy advocacy Nonprofit mgmt</td>
<td>African Americans Teens Rural populations</td>
<td>Program evaluation, esp. Results Oriented Mgmt</td>
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<tr>
<td>Sara Miller</td>
<td>MS, LRT/CTRS, CCLS Lecturer</td>
<td>SHAHS, Recreation Therapy</td>
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<td>Quantitative Research</td>
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<tr>
<td>Kathleen Molden</td>
<td>MSN, RN, CNE, Lecturer</td>
<td>SON</td>
<td>Online Learning, Simulation, and assessment tools</td>
<td>Does a prior student assessment improve educational outcomes?</td>
<td>Students enrolled in nursing education, clinical preparation, or from various programs</td>
<td>Both qualitative and quantitative</td>
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<tr>
<td>Lindsey Nanney</td>
<td>Lecturer, Program Coordinator</td>
<td>SHAHS, Lifetime Physical Activity and Wellness</td>
<td>Wellness and its promotion Motivation for healthy behaviors Behavior change theories and strategies</td>
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<td>Quantitative and Qualitative</td>
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<tr>
<td>Peter V. Nguyen</td>
<td>PhD, LCSW</td>
<td>SSW</td>
<td>Leadership in higher education; cultural, acculturation and assimilation dynamics, parenting styles, and mental health of Asian Americans.</td>
<td></td>
<td>Asian Americans; abused children and their families; higher education faculty.</td>
<td>Quantitative, Qualitative</td>
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<tr>
<td>Jeff Nix</td>
<td>CPRP, Lecturer</td>
<td>SHAHS, Recreation, Sport Leadership and Tourism Management</td>
<td>Fantasy Sports Behavior Sport Spectator (Fan) behavior Legal liability and risk management in Municipal Recreation Extramural tournament participation</td>
<td>Needs assessments, master plans, and risk management plans for municipal recreation settings Extramural motivators and constraints in campus recreation settings</td>
<td>Sport participants &amp; spectators of all ages and SES</td>
<td>Straight Quantitative ONLY</td>
</tr>
<tr>
<td>Sandy O'Donnell</td>
<td>MSN, RN, CNE</td>
<td>SON</td>
<td>Nurse Education</td>
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<td>Acute and Complex Care</td>
<td>Adults</td>
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<td>School/Unit</td>
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<td>Clinical/Applied Interests</td>
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<td>Ruthanne Falumbo</td>
<td>DNP, RN, CNE, Assistant Professor</td>
<td>SON</td>
<td>Opioid Addiction and IV drug use; Risk assessment and intervention; Foxtoring civility amongst nursing students.</td>
<td>Nursing Education, Nursing Administration, Clinical Education: Cardiac, Neurology, Oncology, Med-Surg</td>
<td>Young Adults - addiction, Nursing student-civility</td>
<td>Quantitative methods, Qualitative methods, Mixed Methods</td>
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<tr>
<td>Diane Parker</td>
<td>MSN, MBA, NP-C, FNAP, Lecturer</td>
<td>SON</td>
<td>Pediatric Asthma, Pediatric/Adolescent behavioral health, Underserved populations and Outreach</td>
<td>Pediatric Asthma, Pediatric/Adolescent behavioral health, Underserved populations and Outreach</td>
<td>Pediatrics, Women's Health</td>
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<tr>
<td>Diane Pastor</td>
<td>PhD, MBA, NP-C, FNAP, Associate Professor</td>
<td>SON</td>
<td>Caregiving for frail elders with serious chronic illness and palliative care</td>
<td>Palliative Care and Primary care services</td>
<td>Geriatrics</td>
<td>Qualitative and Quantitative Methods</td>
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<tr>
<td>Barbara Pennington</td>
<td>MS, RN, Lecturer</td>
<td>SON</td>
<td>Clinical Research, Ethics, Global Research</td>
<td>Protection of vulnerable populations in clinical research</td>
<td>Impoverished, Diminished capacity to consent</td>
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<tr>
<td>Hannah M. Priest</td>
<td>PhD, Assistant Professor</td>
<td>SHAHS, Public Health Studies</td>
<td>Instrument development &amp; validation; School health education; Sexually transmitted infection prevention; Professional preparation of public health educators</td>
<td>Curriculum development</td>
<td>Adolescents</td>
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<td>Needs assessment Pedagogy Program evaluation</td>
<td>Campus community School---age children Young adults</td>
<td>Quantitative &amp; mixed methods</td>
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<td>Linda C. Pugh, PhD</td>
<td>Professor</td>
<td></td>
<td></td>
<td>Theory of Unpleasant Symptoms Childbearing women Low-income women</td>
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<td>RNC, FAAN</td>
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<td>Evidence-based practice Breastfeeding duration and exclusivity</td>
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<td>Melissa Reedy</td>
<td>MSNEd, RN, Lecturer</td>
<td>SON</td>
<td>The use of simulation for clinical experience Community Health Foundations course in clinical Nursing Students</td>
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<td>Online Clinical</td>
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<tr>
<td>Noell L. Rowan</td>
<td>PhD, MSW, LCSW</td>
<td>SSW</td>
<td>The overarching areas of gerontology, LGBT population and alcohol and other drug addictions, spirituality, and the impact on social work education and practice.</td>
<td>Substance abuse, work with older adults LGBT populations, older adults, substance addicts</td>
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<td>Quantitative methods, qualitative methods</td>
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<tr>
<td>Karen Sandell</td>
<td>PhD</td>
<td>SSW</td>
<td>Hospice; Spirituality; Volunteers; SWK &amp; end of life care</td>
<td>Hospice Volunteers; Spirituality in SWK practice</td>
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<td>Qualitative</td>
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<tr>
<td>Penny Sauer</td>
<td>PhD, RN, CCRN, CNE, Assistant Professor</td>
<td>SON</td>
<td>Nurse bullying, incivility, nurses workforce issue</td>
<td>Adult critical care, nurses workforce issues Nurses</td>
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<td>Quantitative, Focus groups</td>
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<tr>
<td>Name</td>
<td>Rank</td>
<td>School/Unit</td>
<td>Scholarly and Research Interests</td>
<td>Clinical/Applied Interests</td>
<td>Populations of Interest</td>
<td>Methods</td>
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<td>Tamlyn Shields</td>
<td>MA, BCBA, Lecturer</td>
<td>SHAHS, Gerontology</td>
<td>Behavioral interventions for healthful living</td>
<td>Applied Behavior Analysis</td>
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<td>Quantitative Methods</td>
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<td>Effects of exercise on spontaneous physical activity, insulin resistance</td>
<td>Policy &amp; environmental changes that promote physically active lifestyles</td>
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<td>Behavioral Research Designs</td>
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<tr>
<td>Christy Simmerman</td>
<td>MSN, RN, Lecturer</td>
<td>SON</td>
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<td>Teaching strategies in simulation</td>
<td>Pediatrics</td>
<td>Have no Methods</td>
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<td>Susan Sinclair</td>
<td>PhD, MPH, RN, Associate Professor</td>
<td>SON</td>
<td>Public Health Epidemiology</td>
<td>Pregnancy Birth Defects Epidemiology</td>
<td>All</td>
<td>Epidemiology Methods appropriate for clinical trials and post—marketing studies</td>
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<td>Pharmacoepidemiology Medication safety in pregnancy Pregnancy registries Clinical trials</td>
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<td>Laura Spivey</td>
<td>Ed.D. Lecturer</td>
<td>SHAHS Recreation,</td>
<td>Happiness &amp; Well-being</td>
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<td>Mixed Methods</td>
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<td>Sport Leadership &amp;</td>
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<td>Tourism Management</td>
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<tr>
<td>Lisa K. Sprod</td>
<td>PhD, MPH, Assistant Professor</td>
<td>SHAHS, Exercise Science</td>
<td>Smart Leisure Leisure Behavior Healthful Living/Wellness Campus Recreation Youth Sports</td>
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<td>Mixed Methods</td>
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<td>The effects of physical activity on cancer &amp; cancer treatment related side effects. Research involving the &quot;Blue Zones&quot; and longevity</td>
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<td>Charlotte Elise</td>
<td>PhD, MSN, RN, Lecturer</td>
<td>SON</td>
<td>Nursing Education Simulation Online Learning Technology Stress Management in the Workplace</td>
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<td>Thompson</td>
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<tr>
<td>Marsha Todd</td>
<td>MS, Lecturer</td>
<td>SHAHS, Lifetime Physical Activity and Wellness</td>
<td>Ten Leading Causes of Death for the United States, Indiana and Vigo County.</td>
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<td>College Students</td>
<td>Statistical Analysis</td>
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<tr>
<td>Wayland Tseh</td>
<td>Associate Professor, Program Coordinator</td>
<td>SHAHS, Exercise Science</td>
<td>Body Composition</td>
<td>CVD Risk Factors</td>
<td>All</td>
<td>Quantitative</td>
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<tr>
<td>Stephanie Turise</td>
<td>PhD, RN, BC, APRN, CNL, Assistant Professor</td>
<td>SON</td>
<td>Ergonomic Aids</td>
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<td>All</td>
<td>Quantitative, qualitative, surveys</td>
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<td>Equipment Validity &amp; Reliability Blue Zones</td>
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<td>Chronic Illness Trajectories, Transitions In Care, Particularly in CHF and Cardiovascular Disease, Outcomes Research, Treatment adherence, Simulation in Undergraduate Nursing Education</td>
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<tr>
<td>Name</td>
<td>Rank</td>
<td>School/Unit</td>
<td>Scholarly and Research Interests</td>
<td>Clinical/Applied Interests</td>
<td>Populations of Interest</td>
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<tr>
<td>Angie Vanderberg</td>
<td>MSW, LCSW</td>
<td>SSW</td>
<td>Clinical work with local CAC</td>
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<td>Trauma informed therapeutic approaches</td>
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<td>Play therapy and other practice approaches to use with children</td>
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<td>CSS/Domestic Violence</td>
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<td>Crisis Intervention</td>
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<tr>
<td>April Ventura</td>
<td>MSN, RN, CNE, Lecturer</td>
<td>SON</td>
<td>Heart disease and Palliative Care</td>
<td>Home health, Community Health</td>
<td>Community</td>
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<td>Using Policy as a Community Health Education Strategy</td>
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<td>Campus tobacco policies in NC Community</td>
<td>Curriculum &amp; Instruction CNE/PH</td>
<td>State and local Community health efforts</td>
<td>Qualitative (interviews, focus groups, grounded theory)</td>
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<tr>
<td>Kerry Whipple</td>
<td>PhD, CHES, Associate Professor</td>
<td>SHAHS, Public Health Studies</td>
<td>Readiness Model</td>
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<td>Sustained Physical Activity strategies</td>
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<td>Substance abuse prevention among youth</td>
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<tr>
<td>Patty White</td>
<td>MSN, RNC, CNE, Lecturer</td>
<td>SON</td>
<td>Pediatric Simulation; IPE</td>
<td>Pediatrics, NICU</td>
<td>Infants, children, adolescents, premature infants</td>
<td>Qualitative; some quantitative</td>
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<tr>
<td>Heidi Winslow</td>
<td>MSN, RN, Lecturer</td>
<td>SON</td>
<td>Evidence-based Practice</td>
<td>Evaluation Methods, Smart Phone Education Apps</td>
<td>Diabetes, Cardiac</td>
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<tr>
<td>Reggie York</td>
<td>PhD</td>
<td>SSW</td>
<td>Online education Use of technology in teaching Program evaluation</td>
<td>Evidence-based Practice The use of science to improve the practice of clinical social work</td>
<td>All</td>
<td>Quantitative Research Methods</td>
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## CHHS Grant Productivity

### External Grants/Contracts (CHHS)

<table>
<thead>
<tr>
<th></th>
<th>FY 14 #</th>
<th>FY 14 $</th>
<th>FY 15 #</th>
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<th>FY 16 #</th>
<th>FY 16 $</th>
<th>% change FY 16 $</th>
<th>FY 17 #</th>
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<tr>
<td>Submissions</td>
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<td>$2,263,710</td>
<td>28</td>
<td>$2,438,388</td>
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<td>21</td>
<td>$2,099,587</td>
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<td>26</td>
<td>$7,820,812.61</td>
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<td>Awards</td>
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<td>$243,468</td>
<td>17</td>
<td>$796,129</td>
<td>143%</td>
<td>14</td>
<td>$256,161</td>
<td>-17.6%</td>
<td>8</td>
<td>$224,145.87</td>
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### Funding Agencies for CHHS Extramural Activity in FY 17

1. American Association for Retired Persons* (2)
2. American Nurses Foundation
3. American Cancer Society
4. Brain Research Foundation
5. Cape Fear Memorial Foundation
6. Department of Health and Human Services*
7. Department of Veteran Affairs (VA) (2)*
8. Department of Defense (2)
9. Faculty eCommons*
10. Gerontological Society of America (GSA) *
11. Idea Impact Grant
12. International Society of Nurses in Geriatrics
13. Kate B Reynolds Charitable Trust
14. National Institutes of Health (NIH)
15. Nation Institute of Nursing Research*
16. NC Area Health Education Centers*
17. NC Department of Environment and Natural Resources
18. National Foundation on Fitness Sports, and Nutrition
19. PCORI - Patient Centered Outcomes Research Initiative* (2)
20. Robert Wood Johnson Foundation (2)
21. Spencer Foundation
22. The Recording Academy
23. UNC General Administration (2)
24. United States Department of State

*Denotes grant submissions that were funded
GRANT PRODUCTIVITY BY SCHOOL:

*Submissions are assigned to school based on project PI

### External Grants/Contracts (SSW)

<table>
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<th>FY 14 #</th>
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<th>FY 16 #</th>
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<td>$19,867</td>
<td>6</td>
<td>$194,016</td>
<td>500% 877%</td>
<td>5</td>
<td>$462,144</td>
<td>-16.7% 138%</td>
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<td>$1,059,999</td>
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<td>Awards</td>
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<td>0</td>
<td>3</td>
<td>$37,000</td>
<td>300% 3.7MM%</td>
<td>3</td>
<td>$27,465</td>
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<td>-25.8%</td>
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<td>-100% -100%</td>
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### External Grants/Contracts (SHAHS)

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<th>FY 16 #</th>
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<th>FY 17 #</th>
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<td>Submissions</td>
<td>6</td>
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<td>$1,526,582</td>
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<td>$1,526,158</td>
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<td>$6,320,699</td>
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<tr>
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<td>$565,866</td>
<td>200% 275%</td>
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### External Grants/Contracts (SON)

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<th>FY 14 #</th>
<th>FY 14 $</th>
<th>FY 15 #</th>
<th>FY 15 $</th>
<th>**% change</th>
<th>FY 16 #</th>
<th>FY 16 $</th>
<th>**% change</th>
<th>FY 17 #</th>
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<td>Submissions</td>
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<td>12</td>
<td>$902,791</td>
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<td>7</td>
<td>$255,678</td>
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<td>8</td>
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<td>$253,263</td>
<td>75.0% 174%</td>
<td>3</td>
<td>$105,743</td>
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<td>5</td>
<td>$91,146</td>
<td>66.7% -13.8%</td>
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Publications and Presentations by School for FY15, FY16, and FY17 YTD

Publications/Presentations (CHHS) – Data Trends

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<tr>
<th></th>
<th>FY2015</th>
<th>FY2016</th>
<th>FY2017</th>
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<tbody>
<tr>
<td>Publications</td>
<td>68</td>
<td>71</td>
<td>81*</td>
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<tr>
<td>Presentations</td>
<td>146</td>
<td>179</td>
<td>134**</td>
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*63 of 81 (78%) represent collaborative publications (multiple authors on publication)
**101 of 134 (75%) represent collaborative presentations (multiple co-presenters)

Publications/Presentations (SSW)

<table>
<thead>
<tr>
<th></th>
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<th>FY2017</th>
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<tbody>
<tr>
<td>Publications</td>
<td>14</td>
<td>13</td>
<td>23*</td>
</tr>
<tr>
<td>Presentations</td>
<td>25</td>
<td>37</td>
<td>27**</td>
</tr>
</tbody>
</table>

*17 of 23 (74%) represent collaborative works
**24 of 27 (89%) represent collaborative works

Publications/Presentations (SHAHS)

<table>
<thead>
<tr>
<th></th>
<th>FY2015</th>
<th>FY2016</th>
<th>FY2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Publications</td>
<td>32</td>
<td>32</td>
<td>31*</td>
</tr>
<tr>
<td>Presentations</td>
<td>50</td>
<td>72</td>
<td>72**</td>
</tr>
</tbody>
</table>

*24 of 31 (77%) represent collaborative works
**61 of 72 (85%) represent collaborative works

Publications/Presentations (School of Nursing)

<table>
<thead>
<tr>
<th></th>
<th>FY2015</th>
<th>FY2016</th>
<th>FY2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Publications</td>
<td>25</td>
<td>30</td>
<td>39*</td>
</tr>
<tr>
<td>Presentations</td>
<td>72</td>
<td>82</td>
<td>62**</td>
</tr>
</tbody>
</table>

*35 of 39 (90%) represent collaborative works
**43 of 62 (69%) represent collaborative works
Scientific Journals – Where CHHS Faculty Published their Work (FY 2017)

- Advancing Medical Education through Strategic Instructional Design
- American Medical Informatics Association Annual Symposium Proceedings
- American Journal of Sexuality Education
- Applied Learning in Higher Education
- Clinical Research in HIV/AIDS
- Clinical Simulation in Nursing
- Eating Behaviors
- Encyclopedia of Social Work
- Filling Up: Psychology of Eating (2)
- Health Care for Women International
- Home Healthcare Now (2)
- Health Promotion Perspectives
- International Journal of Exercise Science
- International Journal of Volunteer Administration
- Journal of Advanced Nursing
- Journal of American College Health
- Journal of the American Association of Nurse Practitioners
- Journal of the American Medical Association Oncology
- Journal of the American Psychiatric Nurses Association
- Journal of Applied Gerontology
- Journal of Applied Sport Psychology
- Journal of the Association of Nurses in AIDS Care (2)
- Journal of Clinical and Translational Science
- Journal of Clinical Outcomes Management
- Journal of Family Social Work (2)
- Journal of Gerontological Social Work
- Journal of Gerontology: Medical Sciences
- Journal of Health Education Teaching
- Journal of Heritage Tourism
- Journal of Holistic Nursing (3)
- Journal of Human Behavior in the Social Environment (2)
- Journal of Interprofessional Education and Practice
- Journal of Nursing Education
- Journal of Sports Science and Medicine
- Journal of Systematic Therapies
- Journal of Research in Health Sciences
- Nurse Author & Editor
- Nurse Educator (2)
- Nursing & Healthcare International Journal
- Nursing Education Perspectives (2)
- Nursing History for Contemporary Role Development
- Nursing Research and Practice
- Open Journal of Hematology
- Palliative Medicine
- Patient Experience Journal
- Pedagogy in Health Promotion (2)
- Principles and Foundations of Health Promotion and Education
- Qualitative Social Work
- Research in Psychotherapy: Psychopathology, Process and Outcome 2016
- Rheumatology and Orthopedic Medicine
- Sage Research Methods Cases
- Social Work Research
- Social Work in Healthcare
- Social Work in Mental Health
- Statistics for Human Service Evaluation
- Stroke (3)
- The Gerontologist (2)
- Tourism Analysis
- Western Journal of Emergency Medicine
- Western Journal of Nursing Research (2)
Where CHHS Faculty Presented their Findings (FY 2017)

- Alzheimer’s North Carolina Caregiver Education Conference
- American Association for the History of Nursing Annual Conference
- American Association of Critical Care Nurses Master’s Education Conference
- American College of Sports Medicine Annual Meeting (4)
- American Public Health Association 2016 Annual Meeting and Expo (2)
- American School Health Association
- American Society of Biomechanics 41st Annual Meeting (2)
- American Therapeutic Recreation Association Annual Conference (3)
- American Medical Informatics Association Annual Symposium
- Applied Learning Institute, Wilmington, North Carolina
- Approaching a Common Language: Critical Thinking Symposium for the UNC System
- Associate Degree Nursing Conference, Simulation Council
- Association of American Geographers
- Association for Applied Sport Psychology (2)
- Athletic Business National Conference
- Baccalaureate Social Work Program Directors Annual Conference (3)
- Building Healthy Academic Communities National Summit (2)
- Caring Kind New York City Educational Forum
- CHHS Research and Innovation Day Scientific Poster Showcase (22)
- CHHS Research and Innovation Day
- CHHS Health and Human Services Week
- Coalition of Universities in the Southeast Conference in Gerontology and Geriatrics
- Council on Social Work Education’s 62nd Annual Program Meeting (4)
- Critical Tourism Studies Conference
- Elder Cohousing Research Symposium (3)
- ETEAL Applied Learning Seminar
- European Congress of Sport Science
- European Society of Pediatric and Neonatal Intensive Care
- Gerontological Society of America 69th Annual Scientific Meeting (3)
- Global Partnership for Transformative Social Work Conference
- Gulf-South Summit
- International Cancer Education Conference
- International Conference on Health, Wellness, & Society (2)
- International Council on Women’s Health Issues
- International Society of Nurses in Genetics Annual Meeting
- International Society for Pharmacoeconomics and Outcomes Research (3)
- International Stroke Conference (3)
- Making the Grade in Worksite Wellness Conference
- Medical College of South Carolina COBRE and WISDOM Center Lecture Series
- Midwest American Society of Biomechanics Meeting (2)
- National Academies of Practice Annual Conference (3)
- National Association of Social Workers National Conference
- National Strength and Conditioning Association
- National Military Social Work Conference
- North Carolina Emergency Nurse Association Leadership Conference
- North Carolina League for Nursing Fall 2016 Workshop
- North Carolina League for Nursing Spring 2017 Workshop (3)
- North Carolina Nurse Practitioner Spring Symposium
- North Carolina Public Health Association (2)
- New Hanover Regional Medical Center, Cardiovascular Symposium:
- Online Learning Consortium International Conference
- Plantation Village Community Education
- Popular Culture Association/American Culture Association
- Sigma Theta Tau Healthy Work Environment Conference (2)
- Sigma Theta Tau International Research Day (2)
- Society for Social Work Research Annual Conference
- Solution Focused Brief Therapy Association Annual Conference
- Southeast American College of Sports Medicine Conference
- Southeast Athletic Trainers' Association
- Southeastern Nurse Educator Symposium (SENSES)
- Southern Arizona Stroke Conference
- Southern Nursing Research Society (SNRS) Annual Conference (4)
- State of North Caroline Undergraduate Research and Creativity Symposium (3)
- Student Research and Creative Scholarship Showcase
- The Association of Baccalaureate Social Work Program Directors Annual Conference
- UNCW Community Engagement Conference (2)
- UNCW ETEAL Applied Learning Institute
- UNCW Fall Showcase of Student Research and Creativity
- UNCW Showcase of Student Research
- University of North Arkansas Simulation Learning Workshop
- University of Waterloo
- Virginia Recreation & Park Society
- Volunteer Management Southeast Regional Education Conference
- World Congress of the International Society of Posture and Gait Research (2)
- You Bought the Manikin Conference
- Young Stroke 2016
CHHS faculty are indicated in **BOLD**
*indicates CHHS student involvement
**indicates a collaborative project
***indicates a CHHS interprofessional collaborative project


**Arms, T.** (October 2016). The NPs Role of Assessing and Intervening with Older Adult Drivers. *Nursing Research and Practice*, 2016(x), 1-7, advance online publication. doi:10.1155/2016/3254857


Gazza, E. A. (June 2017). The experience of teaching online in nursing education. *Journal of Nursing Education, 56*(6), 343-349. doi:10.3928/01484834-20170518-05


Jones, A.L. (2017). Researching a new or little-known social phenomenon: Positioning research to traverse the gap between academic and non-academic stakeholders and other lessons learned. *SAGE Research Methods Cases, x*(x), advance online publication. doi: 10.4135/9781526422606


**Pastor, D., Cunningham, R., White, P., Turrise, S., & Kolomer, S.** (August 2016). We have to talk: Results of an interprofessional clinical simulation for delivering bad health news in palliative care. *Clinical Simulation in Nursing 12*(8), 320-327.


consumption among college students. *Health Promotion Perspectives*, 6(3), 137-144. doi:10.15171/hpp.2016.22


*Tseh, W., sBarker, R., & sBarreira, T. (December 2016). Relationship between Neck Circumference and Abdominal Adiposity in Young Adult Males and Females. *Rheumatology and Orthopedic Medicine*, x(x), advance online publication, doi: 10.15761/ROM.1000104


CHHS faculty are indicated in **BOLD**
*indicates CHHS student involvement
*indicates a collaborative project
**indicates a CHHS interprofessional collaborative project

*Ahern, N., & Thompson, C. E., (March 2017). Lessons Learned with Facebook in an Online RN-BS Course. North Carolina League for Nursing Spring 2017 Workshop: Twitter and Facebook and Instagram, Oh My! – Social Media in Nursing Education. Wilmington, NC.


Averette, M. (March 2017). Supporting Students in Recovery. Health and Human Services Week, UNCW College of Health and Human Services, Wilmington, NC.


Poster presentation at CHHS Research and Innovation Day Scientific Poster Showcase, UNCW College of Health and Human Services, Wilmington, NC.


**Bolton, K. W. & Lantz, C.** (March 2017). Exploratory assessment of the impact of the Police Activities League. CHHS Research and Innovation Day Scientific Poster Showcase, UNCW College of Health and Human Services, Wilmington, NC.

**Bolton, K. W. & Lantz, C.** (October 2016). Exploratory Examination of the Police Activities League. Community Engagement Conference, University of North Carolina Wilmington, Wilmington, North Carolina


**Brown, K. W.** (February 2017). Using special tests to evaluate adolescent athletic injuries. 32nd Annual Southeast Athletic Training Student Symposium, Southeast Athletic Trainers' Association, Wilmington.

*Calhoun, N., **Dodson, C. H.,** Chang, J., Barber, J., Roberts, D., & Vorderstrasse, A. (February 2017). Lifestyle behaviors and demographic factions among adults at risk for Type 2 Diabetes, SNRS, Dallas, Texas.


*Daly, F., Beck, T., Hutchinson, D., Ashton-Forrester, C., & Richard, A.** (September 2016). What next...Is it time to Move Towards the Master’s Degree as an Entry-Level Degree: Is this the Way to Go? ATRA Annual Conference -- Higher Education Institute, American Therapeutic Recreation Association, Chicago, IL.


CHHS Research and Innovation Day Scientific Poster Showcase, UNCW College of Health and Human Services, Wilmington, NC.

*Dowd, D., Combs, C., Sprod, L. (March 2017). Case Review of Title IX & Sexual Assaults on 5 University Campuses. CHHS Research and Innovation Day Scientific Poster Showcase, UNCW College of Health and Human Services, Wilmington, NC.

**Francis, N. & Glass, A. (April 2017). Aging in place: Are intergenerational cohousing communities ready? 27th Annual Southeastern Student Mentoring Conference in Gerontology and Geriatrics, Coalition of Universities in the Southeast, Atlanta, GA.


Preparing Nurse Educators and Leaders to Embrace Change and Improve Practice. Atlanta, GA.


**Gazza, E. A., & Oyarzun E. S.** (July 2016). Applied learning experiences in an online accelerated degree completion nursing program: The leadership and management practicum. Invited panel and poster presentation at 2016 UNCW ETEAL Applied Learning Institute, Wilmington, NC.

**Giordano, D., Kerr, J., Boyce, R., Reel, J., Sinclair, S., Knight, S., Spencer, S.** (March 2017). Evolution of the Exploration of a Pilot Medical Device: Easy Breather Exercise Table. CHHS Research and Innovation Day Scientific Poster Showcase, UNCW College of Health and Human Services, Wilmington, NC.

**Giordano, D.J., Knight, S.L., Boyce, R.W., Kerr, J., Reel, J., & Sinclair, S.** (November 2016). Exploring Treatment Options for Chronic Obstructive Pulmonary Disease. CHHS Research and Innovation Day Scientific Poster Showcase, UNCW College of Health and Human Services, Wilmington, NC.


*Glass, A., Frederick, N.* (March 2017). Lessening Social Isolation for introverted older adults through elder cohousing. CHHS Research and Innovation Day Scientific Poster Showcase, UNCW College of Health and Human Services, Wilmington, NC.
Glass, A., & Frederick, N. (November 17, 2016). Elder cohousing as a choice for introverted older adults: Obvious or surprising? 69th Annual Scientific Meeting, Gerontological Society of America, New Orleans, LA.

Goff, A. (March 2017). Stressors and Learned Resourcefulness in Baccalaureate Nursing Students. Poster Presentation at CHHS Research and Innovation Day Scientific Poster Showcase, UNCW College of Health and Human Services, Wilmington, NC.


Gray, C., Cunningham, R., & Kolomer, S. (September 2016). Student-directed learning in multi-day simulation using interprofessional collaborative care teams. ATRA Annual Conference. Lombard, IL.


Gray, Sukhman, Sprod, Lisa, Dowd, Deborah, Vogler, Suzanne, Jackomin, Christina, Bishop, Lindsey, Kokos, Matthew, Ozment, Jason, Black, Haley, Garcia, Johny, Futrell, Katie, Banks, Brooke, Hilburn, Michelle, Donoghue, Nichole (March 2017). The effects of an acute bout of resistance training, aerobic exercise, and yoga on cognitive function in college students. UNCW Showcase of Student Research, UNCW Honor's Council, UNCW.

Gray, Sukhman, Sprod, Lisa, Dowd, Deborah A, Vogler, Suzanne, Jackomin, Christina, Bishop, Lindsey, Kokos, Matthew, Ozment, Jason, Black, Haley, Garcia, Johny, Futrell, Katie, Banks, Brooke, Hilburn, Michelle, Donoghue, Nichole (March 2017). The effects of an acute bout of resistance training, aerobic exercise, and yoga on cognitive function in college students. CHHS Research and Innovation Day Scientific Poster Showcase, UNCW College of Health and Human Services, Wilmington, NC.


Heijnen, M. & Rietdyk, S. (June 2017). Failures in adaptive locomotion: Knowledge of obstacle contact is instrumental to guide limb trajectory. 2017 World Congress of the International Society of Posture and Gait Research, Fort Lauderdale, FL.


Scientific Poster Showcase, UNCW College of Health and Human Services, Wilmington, NC


*Kim, H., Choi, J., Jang, I., Quack, J., & Ohno-Machado, L. (November 2016). Feasibility of Representing Data from Published Nursing Research Using the OMOP Common Data Model. American Medical Informatics Association (AMIA) 2016 Annual Symposium, Chicago, IL.


Lutz, B.J. (February 2017). Preparing young stroke survivors for the community and return to work. Invited paper presentation at peer-reviewed, invited symposium, Redefining the continuum of stroke care for working age adults. International Stroke Conference, American Heart Association, Houston, TX.

Lutz, B.J. (November 2016). Improving Stroke Care Transitions: Lessons from Family Caregivers. COBRE and WISSDOM Center Lecture Series, Medical College of South Carolina. Charleston, SC.


Lutz, B.J. (December 2016). Alleviating the Crisis of Discharge Post-Stroke. Young Stroke 2016, Jacksonville, FL.


Matthias, A. (September 2016). New Educational Pathways for Entry-level Nursing Practice: Attempts to Differentiate a Professional Identity and Role. Peer-reviewed paper/podium presentation at the American Association for the History of Nursing, 33rd Annual American Association for the History of Nursing Conference: Nursing and Health Care History, Chicago, IL.


Murdoch, C., Spivey, L.M., Sidman, C., Beyer, K. (March 2017). The Effect of an Online Happiness Course on Students' Subjective Happiness. CHHS Research and Innovation Day Scientific Poster Showcase, UNCW College of Health and Human Services, Wilmington, NC.


Olsen, S., Halls, J., & Lutz, B. (March 2017). Investigating the Relationship Between Parkinson’s Disease and Environmental and Socioeconomic Variables. Poster
Presentation at CHHS Research and Innovation Day Scientific Poster Showcase, UNCW College of Health and Human Services, Wilmington, NC.


**Pontecorvo, S.M., Heijnen, M., Muir, B.C., & Rietdyk, S.** (February 2017). Relationship between gaze behavior and failure to cross a stationary, visible obstacle. Midwest American Society of Biomechanics Meeting, Grand Rapids, MI.


*Seaman, A. & Franzidis, A. (April 2017). Examining the role and impact of Sport Film Festivals on local communities. Association of American Geographers (AAG) annual meeting, Boston, MA.

**Seldomridge, E.H., Boyce, R.W., Smith, A., Norris, H., Jones, G.R., & Parker, M.A. (June 2017). Bench press strength changes over 23 years in police recruits with gender comparisons. Annual meeting of the American College of Sports Medicine, American College of Sports Medicine, Denver, CO.


*Sprod, L, Edinboro, L., Nanney, L., Sidman, C., Spivey, L. (April 2017). Comparison of Student, Faculty and Staff Quality of Life at a Medium-Sized University. Building Healthy Academic Communities National Summit, Gainesville, FL.


*Tyndall, L. Sauer, P. (March 2017). Nursing barriers to implementation of daily interruption of sedation. Poster Presentation at Sigma Theta Tau Healthy Work Environments Conference, Indianapolis, IN.


Scientific Poster Showcase, UNCW College of Health and Human Services, Wilmington, NC.


**White, S.G., Ashton-Forrester, C. (March 2017). Therapeutic Exercise With Older Adults Diagnosed With Dementia to Reduce Agitated Behaviors: A Pilot Study. CHHS Research and Innovation Day Scientific Poster Showcase, UNCW College of Health and Human Services, Wilmington, NC.

*Witkin, S., Hall, J. C., & Allen, J. (November 2016). Social constructions and the global partnership for transformative social work. Counsel on Social Work Education Annual Program Meeting, Atlanta, GA.


## School of Social Work

Grant and Scholarship Productivity

### External Grants/Contracts (School of Social Work)

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<th>FY2015 (# &amp; $)</th>
<th>FY2016 (# &amp; $)</th>
<th>FY2017 (# &amp; $)</th>
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<tr>
<td><strong>Submissions</strong></td>
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<td>5 &amp; $462,144.18</td>
<td>3 &amp; $1,059,999</td>
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<tr>
<td><strong>Awards</strong></td>
<td>3 &amp; $37,000</td>
<td>3 &amp; $27,465</td>
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### Funding Agencies for CHHS Extramural Activity in FY 17

1. Spencer Foundation
2. American Association for Retired Persons
3. Idea Impact Grant

*Denotes grant submissions that were funded

### Publications and Presentations by the School of Social Work

<table>
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<th></th>
<th>FY2015</th>
<th>FY2016</th>
<th>FY2017</th>
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<td>23</td>
</tr>
<tr>
<td>Presentations</td>
<td>25</td>
<td>37</td>
<td>27</td>
</tr>
</tbody>
</table>

### Collaborative Works

- FY2017 Publications that represent multiple author contributions/collaborations: 74% (17 of 23)
- FY2017 Presentations that represent multiple author contributions/collaborations: 89% (24 of 27)
- FY2016 Publications that represent multiple author contributions/collaborations: 77% (10 of 13)
- FY2016 Presentations that represent multiple author contributions/collaborations: 68% (25 of 37)
- FY2015 Publications that represent multiple author contributions/collaborations: 100% (14 of 14)
- FY2015 Presentations that represent multiple author contributions/collaborations: 78% (20 of 25)
Scientific Journals – Where SSW Faculty Published their Work (FY 2017)

- Clinical Simulation in Nursing
- Encyclopedia of Social Work
- Filling Up: Psychology of Eating (1)
- International Journal of Volunteer Administration
- Home Healthcare Now (2)
- Journal of the American Psychiatric Nurses Association
- Journal of Family Social Work (2)
- Journal of Holistic Nursing
- Journal of Human Behavior in the Social Environment (2)
- Journal of Interprofessional Education and Practice
- Journal of Systematic Therapies
- Qualitative Social Work
- Sage Research Methods Cases (online only)
- Social Work Research
- Social Work in Healthcare
- Social Work in Mental Health
- Statistics for Human Service Evaluation
- The Gerontologist
- Western Journal of Emergency Medicine

Where SSW Faculty Presented their Findings (FY 2017)

- American Therapeutic Recreation Association Annual Conference
- Applied Learning Institute, Wilmington, North Carolina
- Approaching a Common Language: Critical Thinking Symposium for the UNC System
- Baccalaureate Social Work Program Directors Annual Conference (2)
- CHHS Research and Innovation Day Scientific Poster Showcase (4)
- Council on Social Work Education’s 62nd Annual Program Meeting (4)
- Global Partnership for Transformative Social Work Conference
- National Academies of Practice Annual Conference (2)
- National Association of Social Workers National Conference
- National Military Social Work Conference
- North Carolina Nurse Practitioner Spring Symposium
- Sigma Theta Tau International Research Day (2)
- Society for Social Work Research Annual Conference
- Solution Focused Brief Therapy Association Annual Conference
- Southern Nursing Research Society (SNRS) Annual Conference (2)
- UNCW Community Engagement Conference (2)
**FY17 SSW Publications**

SSW faculty are indicated in **BOLD**

*indicates CHHS student involvement

*indicates a collaborative project

**indicates a CHHS interprofessional collaborative project


Jones, A.L. (2017). Researching a new or little-known social phenomenon: Positioning research to traverse the gap between academic and non-academic stakeholders and other lessons learned. *SAGE Research Methods Cases, x(x)*, advance online publication. doi: 10.4135/9781526422606


**Pastor, D., Cunningham, R., White, P., Turrise, S., & Kolomer, S.** (August 2016). We have to talk: Results of an interprofessional clinical simulation for delivering bad health news in palliative care. *Clinical Simulation in Nursing 12*(8), 320-327.


**FY17 SSW Presentations**


*Blundo, R., Genander, D., Harrelson, S., & Johnson, L. (March 2017).* The Effects of Poverty and Toxic Stress on the Neurological Development and Behaviors of Children. Poster presentation at CHHS Research and Innovation Day Scientific Poster Showcase, UNCW College of Health and Human Services, Wilmington, NC.


**Bolton, K. W. & Lantz, C. (March 2017).** Exploratory assessment of the impact of the Police Activities League. CHHS Research and Innovation Day Scientific Poster Showcase, UNCW College of Health and Human Services, Wilmington, NC.


presented at the 62nd Annual Program Meeting, Council on Social Work Education, Denver, CO.


**Gray, C., Cunningham, R., & Kolomer, S.** (March 2017). Student directed learning in multiday simulation using interprofessional collaborative care teams, National Academies of Practice Annual meeting, Philadelphia, PA.

**Gray, C., Cunningham, R., & Kolomer, S.** (September 2016). Student-directed learning in multi-day simulation using interprofessional collaborative care teams. ATRA Annual Conference. Lombard, IL.


*Witkin, S., Hall, J. C., & Allen, J. (November, 2016). Social constructions and the global partnership for transformative social work. Counsel on Social Work Education Annual Program Meeting, Atlanta, GA.*

External Grants/Contracts (SHAHS)

<table>
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<tr>
<th></th>
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<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Submissions</td>
<td>6 &amp; $1,795,687.09</td>
<td>13 &amp; $1,521,581.68</td>
<td>11 &amp; $1,526,157.97</td>
<td>15 &amp; $6,320,699</td>
</tr>
<tr>
<td>Awards</td>
<td>3 &amp; $151,115.33</td>
<td>8 &amp; $535,866.00</td>
<td>7 &amp; $142,668</td>
<td>3 &amp; $133,000</td>
</tr>
</tbody>
</table>

*This includes Charlie Hardy for FY2014 & FY2015; Kathy Browder and Justine Reel for FY2015

Funding Agencies for CHHS Extramural Activity in FY 17

1. American Association for Retired Persons*
2. American Cancer Society
3. Brain Research Foundation
4. Cape Fear Memorial Foundation
5. Department of Health and Human Services (2)*
6. Department of Veteran Affairs (2)*
7. Department of Defense (2)
8. National Foundation on Fitness Sports, and Nutrition
9. North Carolina Department of Environment and Natural Resources
10. Robert Wood Johnson Foundation (2)
11. The Recording Academy
12. UNC General Administration
13. United States Department of State

*Denotes grant submissions that were funded

Publications and Presentations for SHAHS

<table>
<thead>
<tr>
<th></th>
<th>FY2015</th>
<th>FY2016</th>
<th>FY2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Publications</td>
<td>32</td>
<td>32</td>
<td>31</td>
</tr>
<tr>
<td>Presentations</td>
<td>50</td>
<td>74</td>
<td>72</td>
</tr>
</tbody>
</table>

Collaborative Works

- FY2017 Publications that represent multiple author contributions/collaborations: 77% (24 of 31)
- FY2017 Presentations that represent multiple author contributions/collaborations: 85% (61 of 72)
- FY2016 Publications that represent multiple author contributions/collaborations: % (32 of 32)
- FY2016 Presentations that represent multiple author contributions/collaborations: 92% (68 of 74)
- FY2015 Publications that represent multiple author contributions/collaborations: 78% (25 of 32)
- FY2015 Presentations that represent multiple author contributions/collaborations: 68% (34 of 50)
Scientific Journals – Where SHAHS Faculty Published their Work (FY 2017)

- American Journal of Sexuality Education
- Applied Learning in Higher Education
- Eating Behaviors
- Feasibility Study Related to Inactive Cancer Survivors Compared with Non-Cancer Controls During Aerobic Exercise Training
- Filling Up: Psychology of Eating
- Foundations of Kinesiology
- Health Care for Women International
- Health Promotion Perspectives
- International Journal of Exercise Science
- Journal of American College Health
- Journal of the American Medical Association Oncology
- Journal of Applied Gerontology
- Journal of Applied Sport Psychology
- Journal of Gerontological Social Work
- Journal of Gerontology: Medical Sciences
- Journal of Health Education Teaching
- Journal of Heritage Tourism
- Journal of Interprofessional Education and Practice
- Journal of Research in Health Sciences
- Nurse Author & Editor
- Palliative Medicine
- Patient Experience Journal
- Pedagogy in Health Promotion (2)
- Research in Psychotherapy: Psychopathology, Process and Outcome 2016
- Rheumatology and Orthopedic Medicine
- Tourism Analysis
Where SHAHS Faculty Presented their Findings (FY 2017)

- American College of Sports Medicine Annual Meeting (4)
- American Public Health Association 2016 Annual Meeting and Expo (2)
- American School Health Association
- American Society of Biomechanics 41st Annual Meeting (2)
- American Therapeutic Recreation Association Annual Conference (3)
- Association of American Geographers
- Association for Applied Sport Psychology (2)
- Athletic Business National Conference
- Building Healthy Academic Communities National Summit (2)
- CHHS Research and Innovation Day Scientific Poster Showcase (13)
- Coalition of Universities in the Southeast Conference in Gerontology and Geriatrics
- Council on Social Work Education’s 62nd Annual Program Meeting (4)
- Critical Tourism Studies Conference
- Elder Cohousing Research Symposium (3)
- European Congress of Sport Science
- Gerontological Society of America 69th Annual Scientific Meeting (3)
- Gulf-South Summit
- International Cancer Education Conference
- International Conference on Health, Wellness, & Society (2)
- International Council on Women’s Health Issues
- Making the Grade in Worksite Wellness Conference
- Midwest American Society of Biomechanics Meeting (2)
- National Academies of Practice Annual Conference
- National Strength and Conditioning Association
- North Carolina Public Health Association (2)
- Plantation Village Community Education
- Popular Culture Association/American Culture Association
- Sigma Theta Tau International Research Day (2)
- Southeast American College of Sports Medicine Conference
- Southeast Athletic Trainers’ Association
- State of North Carolina Undergraduate Research and Creativity Symposium (3)
- Student Research and Creative Scholarship Showcase
- UNCW Community Engagement Conference (2)
- UNCW Fall Showcase of Student Research and Creativity
- UNCW Showcase of Student Research
- University of Waterloo
- Virginia Recreation & Park Society-Management Conference
- Volunteer Management Southeast Regional Education Conference
- World Congress of the International Society of Posture and Gait Research (2)
**FY17 SHAHS Publications**

SHAHS faculty are indicated in **BOLD**
*indicates CHHS student involvement
*indicates a collaborative project
**indicates a CHHS interprofessional collaborative project


**Gazza, B. A., Pastor, D. K., Mechling, B., Reel, J. J., & Matthias, A. D. (March 2017). We are in this together: Sharing expertise to increase publication success. *Nurse Author &


*Tseh, W., Barker, R., & Barreira, T. (December 2016). Relationship between Neck Circumference and Abdominal Adiposity in Young Adult Males and Females. *Rheumatology and Orthopedic Medicine, x(x)*, advance online publication, doi: 10.15761/ROM.1000104


**FY17 SHAHS Presentations**

**Bolton, K. W. & Lantz, C.** (March 2017). Exploratory assessment of the impact of the Police Activities League. CHHS Research and Innovation Day Scientific Poster Showcase, UNCW College of Health and Human Services, Wilmington, NC.


**Brown, K. W.** (February 2017). Using special tests to evaluate adolescent athletic injuries. 32nd Annual Southeast Athletic Training Student Symposium, Southeast Athletic Trainers' Association, Wilmington.


**Cho, H., Romine, N., Kim, J., Heijnen, M., Ziaie, B., & Rietdyk, S.** (August 2016). Gait asymmetry during uphill, downhill and level walking while outdoors. 41st Annual Meeting of the American Society of Biomechanics, Raleigh, NC


**Daly, F., Beck, T., Hutchinson, D., Ashton-Forrester, C., & Richard, A.** (September 2016). What next...Is it time to Move Towards the Master’s Degree as an Entry-Level Degree: Is this the Way to Go? ATRA Annual Conference -- Higher Education Institute, American Therapeutic Recreation Association, Chicago, IL.

**Dowd, D., Combs, C., Sprod, L.** (March 2017). Case Review of Title IX & Sexual Assaults on 5 University Campuses. CHHS Research and Innovation Day Scientific Poster Showcase, UNCW College of Health and Human Services, Wilmington, NC.
**Francis, N. & Glass, A.** (April 2017). Aging in place: Are intergenerational cohousing communities ready? 27th Annual Southeastern Student Mentoring Conference in Gerontology and Geriatrics, Coalition of Universities in the Southeast, Atlanta, GA.


**Giordano, D., Kerr, J., Boyce, R., Reel, J., Sinclair, S., Knight, S., Spencer, S.** (March 2017). Evolution of the Exploration of a Pilot Medical Device: Easy Breather Exercise Table. CHHS Research and Innovation Day Scientific Poster Showcase, UNCW College of Health and Human Services, Wilmington, NC.

**Giordano, D.J., Knight, S.L., Boyce, R.W., Kerr, J., Reel, J., & Sinclair, S.** (November 2016). Exploring Treatment Options for Chronic Obstructive Pulmonary Disease. CHHS Research and Innovation Day Scientific Poster Showcase, UNCW College of Health and Human Services, Wilmington, NC.


Glass, A., & Frederick, N. (November 17, 2016). Elder cohousing as a choice for introverted older adults: Obvious or surprising? 69th Annual Scientific Meeting, Gerontological Society of America, New Orleans, LA.


Gray, C., Cunningham, R., & Kolomer, S. (September 2016). Student-directed learning in multi-day simulation using interprofessional collaborative care teams. ATRA Annual Conference. Lombard, IL.


Grewal, Sukhman, Sprod, Lisa, Dowd, Deborah, Vogler, Suzanne, Jackomin, Christina, Bishop, Lindsey, Kokos, Matthew, Ozment, Jason, Black, Haley, Garcia, Johny, Futrell, Katie, Banks, Brooke, Hilburn, Michelle, Donoghue, Nichole (March 2017). The effects of an acute bout of resistance training, aerobic exercise, and yoga on cognitive function in college students. UNCW Showcase of Student Research, UNCW Honor's Council, UNCW.

Grewal, Sukhman, Sprod, Lisa, Dowd, Deborah A, Vogler, Suzanne, Jackomin, Christina, Bishop, Lindsey, Kokos, Matthew, Ozment, Jason, Black, Haley, Garcia, Johny, Futrell, Katie, Banks, Brooke, Hilburn, Michelle, Donoghue, Nichole (March 2017). The effects of an acute bout of resistance training, aerobic exercise, and yoga on cognitive function in college students. CHHS Research and Innovation Day Scientific Poster Showcase, UNCW College of Health and Human Services, Wilmington, NC.

*Heijnen, M. & Rietdyk, S. (June 2017). Failures in adaptive locomotion: Knowledge of obstacle contact is instrumental to guide limb trajectory. 2017 World Congress of the International Society of Posture and Gait Research, Fort Lauderdale, FL.


**Murdoch, C., Spivey, L.M., Sidman, C., Beyer, K. (March 2017). The Effect of an Online Happiness Course on Students' Subjective Happiness. CHHS Research and Innovation Day Scientific Poster Showcase, UNCW College of Health and Human Services, Wilmington, NC.

Southeastern United States. Sixth International Conference on Health, Wellness & Society, Health, Wellness, & Society, Washington, D.C.

**Norris, H., Boyce, R.W., Seldomridge, E.H., Smith, A., Jones, G.R., & Parker, M.A.** (June 2017). A longitudinal retrospective study of body composition trends in police recruits. Annual meeting of the American College of Sports Medicine, American College of Sports Medicine, Denver, CO.


*Pontecorvo, S.M., Heijnen, M., Muir, B.C., & Rietdyk, S.* (February 2017). Relationship between gaze behavior and failure to cross a stationary, visible obstacle. Midwest American Society of Biomechanics Meeting, Grand Rapids, MI.


*Seaman, A. & Franzidis, A. (April 2017). Examining the role and impact of Sport Film Festivals on local communities. Association of American Geographers (AAG) annual meeting, Boston, MA.

**Seldomridge, E.H., Boyce, R.W., Smith, A., Norris, H., Jones, G.R., & Parker, M.A. (June 2017). Bench press strength changes over 23 years in police recruits with gender comparisons. Annual meeting of the American College of Sports Medicine, American College of Sports Medicine, Denver, CO.


**Smith, A., Boyce, R.W., Seldomridge, E.H., Norris, H., Jones, G.R., & Parker, M.A. (June 2017). Longitudinal study on the changes in 1.5 mile run times of police recruits over 18 years. Annual meeting of the American College of Sports Medicine, American College of Sports Medicine, Denver, CO.


*Sprod, L, Edinboro, L., Nanney, L., Sidman, C., Spivey, L. (April 2017). Comparison of Student, Faculty and Staff Quality of Life at a Medium-Sized University. Building Healthy Academic Communities National Summit, Gainesville, FL.


*Tseh, W., Champion, H., Ek, S., Kinslow, A., Frazier, R., & McClain, C. (November 2016). Effectiveness of Neuromuscular Electrical Stimulation During Rest and Exercise. State of
North Carolina Undergraduate Research & Creativity Symposium, Durham, North Carolina.

*White, S.G., Ashton-Forrester, C. (March 2017). Therapeutic Exercise With Older Adults Diagnosed With Dementia to Reduce Agitated Behaviors: A Pilot Study. CHHS Research and Innovation Day Scientific Poster Showcase, UNCW College of Health and Human Services, Wilmington, NC.

## External Grants/Contracts (SON)

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<tr>
<td><strong>Submissions</strong></td>
<td>9 &amp; $448,155.44</td>
<td>12 &amp; $902,791</td>
<td>7 &amp; $255,677.88</td>
<td>8 &amp; $440,115</td>
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<tr>
<td><strong>Awards</strong></td>
<td>4 &amp; $92,353.00</td>
<td>7 &amp; $253,263.00</td>
<td>6 &amp; $105,743</td>
<td>5 &amp; $91,146</td>
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## Funding Agencies for CHHS Extramural Activity in FY 17

1. American Nurses Foundation
2. Faculty eCommons*
3. Gerontological Society of America (GSA)*
4. International Society of Nurses in Genetics
5. Kate B Reynolds Charitable Trust
6. National Institutes of Health (NIH)
7. National Institute of Nursing Research*
8. NC Area Health Education Centers*
9. Patient Centered Outcomes Research Initiative-PCORI* (2)
10. UNC General Administration

*Denotes grant submissions that were funded

## Publications and Presentations for School of Nursing

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<td>39</td>
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<td><strong>Presentations</strong></td>
<td>72</td>
<td>82</td>
<td>62</td>
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## Collaborative Works

- FY2017 Publications that represent multiple author contributions/collaborations: 90% (35 of 39)
- FY2017 Presentations that represent multiple author contributions/collaborations: 69% (43 of 62)
- FY2016 Publications that represent multiple author contributions/collaborations: 84% (26 of 30)
- FY2016 Presentations that represent multiple author contributions/collaborations: 39% (32 of 82)
- FY2015 Publications that represent multiple author contributions/collaborations: 84% (21 of 25)
- FY2015 Presentations that represent multiple author contributions/collaborations: 38% (27 of 72)
Scientific Journals – Where SON Faculty Published their Work (FY 2017)

- Advancing Medical Education through Strategic Instructional Design
- American Medical Informatics Association Annual Symposium Proceedings
- American Journal of Nursing
- Clinical Research in HIV/AIDS
- Clinical Simulation in Nursing
- Home Healthcare Now (2)
- Journal of Advanced Nursing
- Journal of the American Association of Nurse Practitioners
- Journal of the American Psychiatric Nurses Association
- Journal of the Association of Nurses in AIDS Care (2)
- Journal of Clinical and Translational Science
- Journal of Clinical Outcomes Management
- Journal of Holistic Nursing (2)
- Journal of Interprofessional Education and Practice
- Journal of Nursing Education
- Nurse Author & Editor
- Nursing Education Perspectives (2)
- Nurse Educator (2)
- Nursing & Healthcare International Journal
- Nursing History for Contemporary Role Development
- Nursing Research and Practice
- Open Journal of Hematology
- Pedagogy in Health Promotion
- Qualitative Social Work
- Stroke (3)
- The Gerontologist (2)
- Western Journal of Emergency Medicine
- Western Journal of Nursing Research (2)
Where SON Faculty Presented their Findings (FY 2017)

- Alzheimer’s North Carolina Caregiver Education Conference
- American Association of Critical Care Nurses Master’s Education Conference
- American Association for the History of Nursing Annual Conference
- American Medical Informatics Association Annual Symposium
- American Therapeutic Recreation Association Annual Conference
- Associate Degree Nursing conference, Simulation Council Overview.
- Baccalaureate Social Work Program Directors Annual Conference
- Caring Kind New York City Educational Forum
- CHHS Health and Human Services Week
- CHHS Research and Innovation Day
- CHHS Research and Innovation Day Scientific Poster Showcase (12)
- ETEAL Applied Learning Seminar
- International Society of Nurses in Genetics Annual Meeting
- International Society for Pharmacoeconomics and Outcomes Research (3)
- International Stroke Conference (4)
- Medical College of South Carolina COBRE and WISDOM Center Lecture Series
- National Academies of Practice Annual Conference (3)
- National League for Nursing (2)
- North Carolina Nurse Practitioner Spring Symposium
- North Carolina Public Health Association
- New Hanover Regional Medical Center, Cardiovascular Symposium:
  - North Carolina Emergency Nurse Association Leadership Conference
  - North Carolina League for Nursing Fall 2016 Workshop
  - North Carolina League for Nursing Spring 2017 Workshop (3)
- Online Learning Consortium International Conference
- Sigma Theta Tau Healthy Work Environment Conference (2)
- Sigma Theta Tau International Research Day (2)
- Society of Pediatric and Neonatal Intensive Care
- Southeastern Nurse Educator Symposium (SENSES)
- Southern Arizona Stroke Conference
- Southern Nursing Research Society (SNRS) Annual Conference (4)
- State of North Carolina Undergraduate Research and Creativity Symposium (2)
- UNCW ETEAL Applied Learning Institute
- UNCW Fall Showcase of Student Research and Creativity
- University of North Arkansas Simulation Learning Workshop
- You Bought the Manikin Conference
- Young Stroke 2016
**FY17 SON Publications**

SON faculty are indicated in **BOLD**

*indicates CHHS student Involvement

**indicates a collaborative project

**indicates a CHHS interprofessional collaborative project


**Arms, T.** (October 2016). The NP’s Role of Assessing and Intervening with Older Adult Drivers. *Nursing Research and Practice*, x(x), advance online publication. doi:10.1155/2016/3254857


in HIV care. *Journal of the Association of Nurses in AIDS Care*, 27(5), 574-584. doi.org/10.1016/j.jana.2016.03.001


**Gazza, E. A.** (June 2017). The experience of teaching online in nursing education. *Journal of Nursing Education*, 56(6), 343-349. doi:10.3928/01484834-20170518-05


**Pastor, D., Cunningham, R., White, P., Turrise, S., & Kolomer, S. (August 2016). We have to talk: Results of an interprofessional clinical simulation for delivering bad health news in palliative care. Clinical Simulation in Nursing 12(8), 320-327.


**FY17 SON Presentations**

*Ahern, N., & Thompson, C. E., (March 2017). Lessons Learned with Facebook in an Online RN-BS Course. North Carolina League for Nursing Spring 2017 Workshop: Twitter and Facebook and Instagram, Oh My! – Social Media in Nursing Education. Wilmington, NC.


Averette, M. (March 2017). Supporting Students in Recovery. Health and Human Services Week, UNCW College of Health and Human Services, Wilmington, NC.


**Clark, N., **Lutz, B.J., **Sauer, P., & Jones, A. (February 2017). Knowledge, attitudes, and beliefs regarding advanced care planning in active duty military personnel ages 18-30. Narrated Poster Presentation, 32nd Annual Conference of the Southern Nursing Research Society, Dallas, TX.


**Giordano, D., Kerr, J., Boyce, R., Reel, J., Sinclair, S., Knight, S., Spencer, S., (March 2017). Evolution of the Exploration of a Pilot Medical Device: Easy Breather Exercise Table. CHHS Research and Innovation Day Scientific Poster Showcase, UNCW College of Health and Human Services, Wilmington, NC.

**Giordano, D.J., Knight, S.L., Boyce, R.W., Kerr, J., Reel, J., & Sinclair, S. (November 2016). Exploring Treatment Options for Chronic Obstructive Pulmonary Disease. CHHS Research and Innovation Day Scientific Poster Showcase, UNCW College of Health and Human Services, Wilmington, NC.

**Goff, A.** (March 2017) Stressors and Learned Resourcefulness in Baccalaureate Nursing Students. Poster Presentation at CHHS Research and Innovation Day Scientific Poster Showcase, UNCW College of Health and Human Services, Wilmington, NC.

**Goff, A.** (February 2017). Stressors and Learned Resourcefulness in Baccalaureate Nursing Students. Podium presentation at Southern Nursing Research Society 31st Annual Conference. Dallas, Texas

**Gray, C., Cunningham, R., & Kolomer, S.** (March 2017). Student directed learning in multiday simulation using interprofessional collaborative care teams, National Academies of Practice Annual meeting, Philadelphia, PA.

**Gray, C., Cunningham, R., & Kolomer, S.** (September 2016). Student-directed learning in multi-day simulation using interprofessional collaborative care teams. ATRA Annual Conference. Lombard, IL.


*Kim, H., Choi, J., Jang, I., Quack, J., & Ohno-Machado, L.** (November 16). Feasibility of Representing Data from Published Nursing Research Using the OMOP Common Data Model. American Medical Informatics Association (AMIA) 2016 Annual Symposium, Chicago, IL.


Lutz, B.J. (February 2017). Preparing young stroke survivors for the community and return to work. Invited paper presentation at peer-reviewed, invited symposium, Redefining the continuum of stroke care for working age adults. International Stroke Conference, American Heart Association, Houston, TX.

Lutz, B.J. (November 2016). Improving Stroke Care Transitions: Lessons from Family Caregivers. COBRE and WISSDOM Center Lecture Series, Medical College of South Carolina. Charleston, SC.


Lutz, B.J. (December 2016). Alleviating the Crisis of Discharge Post-Stroke. Young Stroke 2016, Jacksonville, FL.

Matthias, A. (September 2016). New Educational Pathways for Entry-level Nursing Practice: Attempts to Differentiate a Professional Identity and Role. Peer-reviewed paper/podium presentation at the American Association for the History of Nursing, 33rd Annual American Association for the History of Nursing Conference: Nursing and Health Care History, Chicago, IL.

**Olsen, S., Halls, J., & Lutz, B.** (March 2017). Investigating the Relationship Between Parkinson’s Disease and Environmental and Socioeconomic Variables. Poster presentation at CHHS Research and Innovation Day Scientific Poster Showcase, UNCW College of Health and Human Services, Wilmington, NC.


**Sauer, P., Thompson, C. E., Verzella, M. (March 2017).** Nursing students’ communication skills: Training in the face of incivility. Poster presentation at Sigma Theta Tau Healthy Work Environment Conference, Indianapolis, IN.


**Sinclair, S.M., Theodossiou, J.J., & Albano, J.D. (June 2017).** Evaluating in utero medication exposure and maternal disease on infants: The importance of pediatric follow-up information. Poster Walk Session – five-minute presentation and two-minute discussion at the European Society of pediatric and neonatal Intensive Care, Lisbon, Portugal.

**Thompson, C.E., Crawford, S., & Ahern, N. (October 2016).** Enhancing Student Interaction Using Social Media in an Online RN-BSN Program. SENSES Conference, Raleigh, NC.

**Tyndall, L. Sauer, P. (March 2017).** Nursing barriers to implementation of daily interruption of sedation. Poster Presentation at Sigma Theta Tau Healthy Work Environments Conference, Indianapolis, IN.

**Uranga, R. & Gazza. E. A. (March 2017).** The sound of wellbeing: Reflection through music. Poster Presentation at CHHS Research and Innovation Day Scientific Poster Showcase, UNCW College of Health and Human Services, Wilmington, NC.


Research and Innovation Day 2017
Scientific Poster Showcase

Monday, March 27

CHHS Health & Human Services Week

University of North Carolina Wilmington
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Grewel, Sukhman .................................................................. 4
The Effects of an Acute Bout of Resistance Training, Aerobic Exercise, and Yoga on Cognitive Function in College Students
Hicks, Sarah .......................................................................... 5
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  Applied Learning
College Populations
1. The Sound of Wellbeing: Reflection Through Music

Presenter: Uranga, Richard  
School of Social Work Graduate Assistant  
University of North Carolina Wilmington

Authors: Uranga, Richard; Gazza, Elizabeth A.

Overview of your Research or Innovation Project: Music is a product of cultural influences and plays an important role in society. Music and lyrics can stimulate reflection and potentially influence the listener’s wellbeing. A review of evidence was conducted to explore the relationship between music, reflection, and wellbeing.

Purpose statement/objectives: The purpose of this evidence review was to explore the relationship between music, reflection, and how music may regulate mood and promote wellbeing.

Method: The databases of EBSCO Host, ProQuest, Sage Journals, and Science Direct were searched using the key terms of wellbeing, music, reflection, mood regulation, and/or stress. The search was limited to evidence published in English, between 2004 and 2016. Preference was given to evidence concerning young adults and college students as well as to research studies conducted on the interaction between music listening and a person's wellbeing.

Findings: Findings indicate that people often engage with music for mood regulation. Engaging with music through dancing or attending a concert is an effective form of emotion regulation (Saarikallio 2012) and can improve wellbeing (Weinburg & Joseph, 2016). Simply listening to music can reduce the stress levels of listeners. (Ferrer et al., 2014; Linnemann, Ditzen, Strahler, Doerr, & Nater, 2015). Additionally, listening to music can improve health and happiness (Rana, Akhtar, & North, 2011) and can improve recovery time when exposed to stressors (Thoma et al., 2013).

Conclusions: There is evidence to support that engaging with music can regulate emotion and promote wellbeing by lowering stress and improving stress recovery. Since college students are vulnerable to stress, they can benefit from the utilization of music to regulate mood.

Practical Implications: Findings can be used as the basis for an evidence-based health promotion initiative aimed at regulating mood as well as preventing and managing stress through the utilization of music. Findings have implications for health care providers who care for individuals prone to or currently experiencing stress and stress-related disorders. Further research is recommended to determine if and how college students use music to regulate mood.
2. *What is Intuitive Exercise? Development and Validation of the Intuitive Exercise Scale*

**Presenter:** Reel, Justine J.
CHHS Associate Dean of Research and Innovation
University of North Carolina Wilmington

**Authors:** Reel, Justine J; Hopkins, Hannah; Gray, Cara; Miyairi, Maya

Up to 80% of individuals with eating disorders engage in dysfunctional exercise, which is characterized by exercising in excessive quantities often past the point of pain that is associated with compulsive feelings and negative affect when exercise is disrupted (Cook, Hausenblas, Crosby, Cao, & Wonderlich, 2015). Intuitive exercise involves an awareness of the senses while moving, and attending to one’s bodily cues for when to start and stop exercise, versus feeling compelled to follow a rigid program (Reel, 2015). The purpose of this study was to design a measurement tool to evaluate the construct of intuitive exercise in research, treatment, and prevention settings. The 14-item Intuitive Exercise Scale (IEXS) was developed and validated in the current study with completed surveys from 518 female and male adult participants. Exploratory factor analysis was used to identify four latent constructs, including emotional exercise, exercise rigidity, body trust, and mindful exercise, which were supported via confirmatory factor analysis (CFI = .96; SRMR = .06). The IEXS demonstrated configural, metric, and scalar invariance across men and women. Correlations with measures of intuitive eating, exercise dependence, and exercise motivation supported convergent and discriminant validity.
3. *An Assessment of Workplace Wellness Initiatives: A Case for Including Recreation in the Workplace*

**Presenter:** Franzidis, Alexia  
School of Health and Human Sciences Assistant Professor  
University of North Carolina at Wilmington

**Authors:** Franzidis, Alexia; Wallace, Colton

High stress levels in nursing students can affect memory, concentration, and problem-solving, leading to decreased learning, coping, academic performance, and retention, but few studies explore stress management. Learned resourcefulness (LR) minimizes negative effects of stressors and enhances coping effectiveness with challenging or threatening situations in other populations. College students with higher LR levels develop greater self-confidence, motivation, and academic persistence, and are less likely to become anxious, depressed, and frustrated. Few studies exist looking at college students with only one study including nursing students. Therefore, this study’s purpose is to: 1) identify levels and types of personal & academic stressors; 2) measure levels of learned resourcefulness; 3) survey larger sample than original study; 4) measure variables at beginning and end of program; 5) measure and analyze variables in two student cohorts; and 6) explore impact age, race/ethnicity, gender, marital status, work status, enrollment status on variables. Gadzella’s Student-life Stress Inventory (SSI) and Rosenbaum’s Self-Control Scale (SCS) was administered to 85 entering baccalaureate nursing students (45 Juniors old curriculum; 40 Sophomores new curriculum) and will be administered to same students at end of program. Descriptive statistics, Pearson product-moment correlation coefficients, multiple linear regression, matched sample t-test, and two-sample t-test analyze data. In first set of data, both groups (95.3% female, 85.8% Caucasian, 5.8% Hispanic/Latino, 0 Black, 2.4% American Indian; mean age 22; 48.2% work) reported similar high levels of Frustration, Pressure, and Emotional Reactions in the same order. A significant relationship was demonstrated between taking tests and level of stress (p<.01). Stressors (p<.05) and age (p<.01) were significant predictors of academic performance. Significant correlations LR (p<.05) and work status (p<.01) with increased self-esteem. No significant relationships among LR, stressors, academic performance were shown. These findings further validate high stress levels and positive correlation between age and academic performance, and reveals stressors as significant predictor. Those with higher level LR (emotional responses, problem-solving strategies, ability to delay immediate gratification, and self-efficacy expectation) reported lower stress. LR may provide guidance for intervention strategies, policies, and practices that decrease stress and shift locus of control, to promote healthy behaviors and enhance learning and academic outcomes of nursing students.
4. The Effects of an Acute Bout of Resistance Training, Aerobic Exercise, and Yoga on Cognitive Function in College Students

Presenter: Grewel, Sukhman
School of Health and Applied Human Sciences, Exercise Science student
University of North Carolina at Wilmington

Authors: Grewel, Sukhman; Sprod, Lisa; Daniels, Karen; Dowd, Deborah; Vogler, Suzanne; Jackomin, Christina; Bishop, Lindsey; Kokos, Matthew; Ozment, Jason; Black, Haley; Garcia, Johny; Futrell, Katie; Banks, Brooke; Hilburn, Michelle; Donoghue, Nicole

Overview and Purpose of Research Project: Previous research has shown a single bout of exercise can improve cognitive function. This research compares the effectiveness of different exercise types, specifically a bout of resistance training, cycling and yoga, on stimulating cognitive function. Methods: The four-week study includes 19 sedentary college students between the ages of 18 to 25. All participants completed a baseline assessment of cognitive function, specifically a logic reasoning test, using Ravens Advanced Matrices. Participants were randomly assigned to one of three groups. Over the course of the following three weeks, participants in each group completed the three sessions (25 minute bout of cycling, 30 minute resistance training session, 60 minute yoga class) in a random order, with one week between sessions. Immediately following each bout of exercise, participants completed a version of the Ravens Advanced Matrices. Findings: Participants have currently completed two of the three interventions. Data collection will be complete on February 5, 2017 with statistical analyses to be completed by February 15, 2017. Conclusions: To be determined. Practical Implications: The results of this study may lead to the ability to inform students of the most beneficial type of exercise to perform prior to an exam or other important event.
5. **Health Literacy Among Traditional and International College Students and the Impact of Health Education**

**Presenter:** Hicks, Sarah  
School of Nursing, Bachelors of Science in Nursing student  
University of North Carolina at Wilmington

**Authors:** Hicks, Sarah

Health literacy, the ability of individuals to understand basic health information in order to make health-conscious decisions, has not been thoroughly researched among college students. However, it is essential to ensure adequate health literacy among this population as young adults will often make independent and significant decisions concerning their health for the first time in college. The purpose of this study is to evaluate the effectiveness of incorporating health education into the college classroom by assessing the baseline health literacy level of college students and evaluating improvement following participation in a series of health presentations. A second objective of this study is to compare the health literacy of traditional American college students with incoming international students. Students in six freshman seminar classes at UNCW were invited to participate in the initial component of this study. The sample size was 88 first-year students. Participants were administered a demographic survey and pre-test, a health literacy assessment based on the Newest Vital Sign (NVS). Three health literacy presentations were given, then participants were re-administered the health literacy assessment as a post-test. In the second component of this study, incoming international students were asked to participate during their orientation session. The sample size included 28 students from 9 countries. Participants were administered the health literacy assessment, and their scores were evaluated. The mean pre-test and post-test scores of the first-year students were 5.18 and 5.47 respectively, indicating adequate baseline health literacy and a statistically significant improvement after participating in the health presentations. The mean score of the incoming international students was 4.29. Although, on average, first-year college students have adequate baseline health literacy levels, incorporating health education into the college classroom may have a positive effect on their understanding of health information. This study presents a need for further research to determine if health education at host universities may benefit incoming international students. The results of this study suggest that incorporating health topics into higher education curriculum may prepare college students to seek and maintain health from a young age, reducing long-term health care costs and improving overall quality of life.
6. The Effect of an Online Happiness Course on College Students’ Subjective Happiness

Presenter: Murdoch, Casey  
College of Arts and Sciences, Psychology student  
University of North Carolina Wilmington

Authors: Murdoch, Casey; Spivey, Laura; Sidman, Cara; Beyer, Kelsey

This research examined the subjective happiness levels of students enrolled in either a 5-week happiness course or a 5-week control course, both administered online. The population of interest was college students (ages 18-22) due to life stressors and psychological vulnerability. Improving student happiness is a vital concern, as psychological distress is rampant on campuses. It is important to not only alleviate this stress, but also enhance well-being. Furthermore, many happiness-enhancing techniques include important life skills, such as stress management and self-efficacy. These are tools that extend far beyond the classroom and can help students to better navigate the obstacles of young adulthood as they become contributing members of society. Additionally, strategies for minimizing psychological distress and increasing well-being have been taught using behavioral modification techniques in a variety of settings, including universities. The purpose of the present study was to explore the differences between subjective happiness levels of students who either participated in an online happiness course or a control course. It was hypothesized that: (a) after happiness students had finished their course, their subjective happiness levels would increase (pre to post), and that (b) students enrolled in the happiness courses would have significantly higher happiness scores than the students enrolled in the control course. Students were enrolled in either a 5-week happiness or a 5-week recreational course, both administered online. Participants (n=74) were sampled by convenience, based on self-selected course enrollment. An online format was used due to its prevalence and popularity, while a pretest/post-test online survey was administered to measure subjective happiness. This study provided preliminary evidence of happiness levels in college students enrolled in 5-week online courses. Both the happiness and recreational groups showed increases in self-reported subjective happiness after their respective courses. There were no significant differences between happiness and recreation student’s happiness levels, yet this absence may be due to problems that can be addressed with additional research. The present study contributes to the growing body of literature on the topic and the authors look forward to future research concerning this highly stressed population.
7. Stressors and Learned Resourcefulness in Baccalaureate Nursing Students: A Longitudinal Study

Presenter: Goff, Anne-Marie
School of Nursing Assistant Professor
University of North Carolina Wilmington

Author: Goff, Anne-Marie

Extensive evidence reveals that high stress in nursing students may affect memory, concentration, and problem-solving, and lead to decreased learning, coping, and academic performance. Nursing students perceive higher levels of stress and implement less stress management strategies. College student stress associated with depression, low self-esteem, poor adjustment to college, lack of social support, and unhealthy, high-risk behaviors. However, few studies explore factors that decrease stress and enhance learning outcomes. Learned Resourcefulness (LR) (emotional responses, problem-solving strategies, ability to delay immediate gratification, self-efficacy expectation), or ability to internally regulate emotions and cognitions, is reported to minimize negative effects of stressors and enhance coping effectiveness with challenging situations. Few studies targeting college students suggest those with higher learned resourcefulness develop greater self-confidence, motivation, and academic persistence, and decreased anxiety, depression, and frustration. This correlational longitudinal study examines impact of learned resourcefulness on stressors and academic performance in two groups of baccalaureate nursing students in an urban North Carolina university. Gadzella’s Student-life Stress Inventory (SSI) and Rosenbaum’s Self-Control Scale (SCS) were administered to 85 entering baccalaureate nursing students (45 juniors 4-semester old curriculum, 40 sophomores 5-semester new curriculum) and administered to same students at graduation. Both groups (95.3% female, 85.8% Caucasian, 5.8% Hispanic/Latino, 0 Black, 2.4% American Indian; mean age 22; 48.2% work, reported similar high levels Frustration, Pressure, Emotional Reactions. Significant relationship between taking tests and level of stress (p<.01). Stressors (p<.05) and age (p<.01) were significant predictors of academic performance. Higher LR and less stress in Juniors (old curriculum). Significant correlations of LR (p<.05) and work status (p<.01) with increased self-esteem. LR increased significantly from beginning to end of program in both groups, while less stress reported as students progressed. Several significant differences in both surveys from pretest to posttest in both groups (p<.05). No significant relationships among LR, stressors, GPA. Learned resourcefulness may provide guidance for intervention strategies that decrease stress and shift internal locus of control in baccalaureate nursing students in order to promote healthy behaviors and enhance learning outcomes. Future studies necessary to explore potential interventions and coping, to further explore depression, high-risk behaviors, and self-esteem, and to examine same variables in other baccalaureate health care students.
8. *Student Perceptions of Peer Evaluation in an Online RN-to-BSN Research Course*

**Presenter:** Kim-Godwin, YeounsOo  
School of Nursing Professor  
University of North Carolina Wilmington

**Authors:** Kim-Godwin, YeounSoo; Turrise, Stephanie; Lawson, Sarah; Barber, Melissa

**Background:** The use of peer evaluation has increased in online learning environments to promote interactions among students, to stimulate the quality of the discussion and improve the learning outcomes.

**Objective:** The purpose of this study was to explore student perceptions of their peer evaluation experiences and learning outcomes for online group and class activities within an RN to BSN nursing research course.

**Methods:** The course utilized peer evaluation in multiple ways. Learning outcomes were assessed using the 33 item-Revised Community of Inquiry (RCOI) tool. The RCOI includes four components that contribute to a successful learning environment: Cognitive Presence (CP), Social Presence (SP), Teaching Presence (TP), and Learner Presence (LP). In addition, the student perceptions of their peer evaluation experiences were explored through content analysis of open-ended questions using Atlas.ti.

**Results:** A total of 140 RN to BSN students enrolled in the nursing research course over five sections (fall 2, 2015, spring 1 & 2, 2016, and summer 1 & 2, 2016) completed the online survey. Students generally gave a high rating to their learning outcomes ($M=4.09$, range 3.63 to 4.54), using a 5-point Likert scale, with 4 rating "agree." The majority of students (85%) reported that they had the ability to evaluate their peers' writing. In addition, 81.8% of students reported their writing skills had improved. When students were asked to rate their peer experience, 69% perceived their peer review experience as helpful. Students who perceived that their peer evaluation helped, reported higher overall scores on the RCOI total ($p=.05$), and the subscales of TP ($p=.02$) and CP ($p=.03$), compared to students who perceived their experience as not helpful or not sure. Writing improvement was positively correlated with the peer review experience ($r=.32$, $p<.05$) and the ability to evaluate peers ($r=.48$, $p<.001$).

**Conclusions:** Peer evaluation may provide considerable benefits to student peer reviewers including improving learning outcomes and writing skills.

**Implications:** The findings of the current study provide some insights for nurse educators using peer review within/outside groups to enhance active learning and writing skills.
9. Legal Review of Civil Cases Focusing on Title IX Sexual Violence Involving Student Athletes on College Campuses

Presenter: Dowd, Deborah  
School of Health and Applied Human Sciences Associate Professor  
University of North Carolina Wilmington

Authors: Dowd, Deborah; Combs, Sue; Sprod, Lisa

Overview and Purpose of Research Project: On June 23, 1972, the President signed Title IX of the Education Amendment of 1972 into law. Title IX is a comprehensive federal law that prohibits discrimination on the basis of sex in any federally funded education program or activity (United States Department of Justice, 1972). On the 45th anniversary of Title IX’s inception, sexual violence on college campuses, specifically involving student athletes, is in the spotlight. The purpose of this study was to conduct a legal overview of recent and current civil lawsuits focusing on sexual violence involving college athletics. Methods: Cases were identified and accessed through Lexis-Nexis and compared and contrasted based on scenarios, legal arguments, court decisions and rationale.

Findings: Cases are in the midst of being reviewed and analyzed, but to date, court trends appear to be putting more muscle into Title IX compliance by holding universities and administrators more responsible for violence occurring on their campuses, including those involving student athletes.

Conclusions: To be determined.

Practical Implications: The results of this study may provide evidence of legal substance to support the “It’s On Us” initiative led by former President Barack Obama partnering the White House with the NCAA to combat sexual assaults on college campuses.
10. Empowering Adolescent Females Through Comprehensive Sex Education: A Pilot Program

Presenter: Huelskamp, Amelia  
School of Health and Applied Human Sciences Assistant Professor  
University of North Carolina Wilmington

Authors: Huelskamp, Amelia; Catalano, Hannah

Overview: While pregnancy rates among adolescents across North Carolina have decreased 8% since 2013, New Hanover County is seeing an approximately equal increase (http://www.shiftnc.org/data/map/northcarolina). This rise in pregnancy rates locally indicates an imminent need for comprehensive sex education that will empower adolescent females by providing them with the content knowledge and skills to make informed, responsible decisions regarding their own sexuality. Locally based research on the outcomes of comprehensive sex education could improve access for youth in the Cape Fear region.

Purpose: The overall goal of this project is to promote sexual health and responsible decision-making among adolescent females in the Cape Fear region. This will be accomplished through provision of accurate information and access to sexual health resources.

Methods: Approval to collect data from adolescent females will be acquired from the IRB. From needs assessment data, a survey will be developed to determine the impact of the program on adolescent sexual behaviors. This survey will serve as the pre-assessment and post-assessment.

Programming includes implementation of an evidence-based comprehensive sex education curriculum and distribution of free condoms. Lasting one year, this program will undergo an impact evaluation to determine whether it delays sexual initiation and/or increases safer sex practices among participants when compared with non-participants.

Practical Implications: Many youth attending schools in the Cape Fear region are not currently provided with comprehensive sex education, or with access to on-campus sexual health resources, such as free condoms, HIV testing, and unbiased pregnancy counseling. For example, sex education is currently taught in New Hanover County Schools (NHCS) in grades 5-9, however, according to the NHCS sex education policy (NHCS Policy 7182), parents may choose to opt their children out of parts of the sex education curriculum (including contraception and STI prevention). Currently, one in four NHCS students receives no sex education, and of the remaining 75% who do, one in three receives no information about safer sex practices. If this project successfully delays sexual initiation and increases safer sex practices among participants, the results could be used to advocate for improved access to comprehensive sex education and resources in area schools.
Law Enforcement
11. Exploratory Assessment of the Impact of the Police Activities League

Presenter: Bolton, Kristin  
School of Social Work Assistant Professor  
University of North Carolina Wilmington

Authors: Bolton, Kristin; Lantz, Chris

Overview: The Wilmington Police Department (WPD) partnered with UNCW faculty in order to explore the impact of the Police Activities League (PAL), identify areas for potential improvement, and develop a framework for continued evaluation.

Methods: Data collection consisted of three focus groups with youth participants, parents, and police volunteers. There were a total of 22 participants (10 youth, 7 parents, and 5 police volunteers). All data were transcribed and imported into QSR NVivo 10 for analysis. A grounded theory approach (Glaser & Strauss, 1967) was used to analyze the data including forming open codes, axial codes, and finally forming themes.

Findings: Three themes emerged from the data including: 1) Strengths and success of PAL, 2) Challenges of PAL, and 3) Recommendations. In addition to the emergent themes, results offered insight relative to the impetus for program involvement by each group explored.

Conclusions and Implications: Findings from this study offer insight into the perceived benefit of community policing efforts. Recent events have led to large-scale discussions around the importance of police-community relationships. Part of these discussions should include exploration and understanding of the dynamics of these relationships. This understanding stems from results of evaluations of community engaged policing efforts. In addition, findings from the focus groups can be used to inform the future direction of the PAL. For example, one of the findings under recommended changes included future growth opportunities. Specifically, these recommendations included the potential for more sports programs, a greater balance of co-ed attendance, and more diversity among the youth. As PAL continues to expand, the voices of the parents, children, and volunteers can assist in identifying and facilitating widespread, meaningful programming for youth and police officers.
12. Bench Press Strength Changes Over 23 Years in Police Recruits with Gender Comparisons

Presenter: Seldomridge, Elizabeth
School of Health and Applied Human Sciences, Exercise Science Student
University of North Carolina Wilmington

Authors: Seldomridge, Elizabeth; Norris, Haley; Smith, Austin

Strength is a vital component in the performance of police duties to ensure the safety of officers and those they serve. Therefore, the initial strength the officers brings to the training program predicts the level of strength they will maintain throughout their careers. PURPOSE: To evaluate bench press strength changes that occur in police recruits from 1990 to 2013 with gender comparisons. METHODS: During the first week of police recruit training in a large southeastern metropolitan area, bench press strength and bench press weight ratio were evaluated in 2,460 recruits. ANOVA and Bonferroni post hoc procedures were used to evaluate data. RESULTS: The initial ANOVA indicated significant differences in males for both variables at $p \leq 0.05$. Males tended to increase in bench press strength from 1990 to 2007 (83.7 ± 2.0 kg to 95.9 ± 2.1 kg, $p \leq 0.01$). Male bench press strength tended to plateau after 2007. No discernable pattern was seen in females for both variables and little change in males was observed in bench press weight ratio. CONCLUSIONS: Overall, males had a tendency to become stronger over time when considering their initial test scores in recruit school. However, females tended to remain at approximately the same muscular strength across the 23 years.
13. *Longitudinal Study on the Changes in 1.5 Mile Run Times of Police Recruits Over 18 Years*

Presenter: Smith, Austin  
School of Health and Applied Human Sciences, Exercise Science student  
University of North Carolina Wilmington

Authors: Smith, Austin; Seldomridge, Elizabeth; Norris, Haley

Cardiovascular endurance is an important aspect in the performance of police duties. Departments have a need to assess ability to run as it is important not only for the officer’s health but also to protect citizens. PURPOSE: To evaluate patterns in cardiovascular fitness of police recruits upon entry into the police academy over 18 years including gender differences. METHOD: During the first week of police recruit training in a large southeastern metropolitan area, physical fitness levels were evaluated. This study’s variable of interest was: 1.5 mile run. ANOVA, and Bonferroni post hoc procedures were used to evaluate data. RESULTS: Initial ANOVA comparisons were significant between years for both males and females (p ≤ 0.001). The post hoc analysis of males indicated that in the first four years 1990 to 1994, there was a significant decrease in run times (min:sec) from (12:32 ± 1:30 to 11:14 ± 1:17, p ≤ 0.05). There was an increase in run times from 1994 to 2007, (11:14 ± 1:17 to 12:11 ± 1:38, p ≤ 0.001). As in the males, there was a significant decrease in run times for females from 1990 to 1996, (15:15 ± 2:32 to 12:25 ± 1:20, p ≤ 0.01). CONCLUSION: Overall, it appears in this metropolitan police department males are tending to have lower cardiovascular fitness levels as time progresses with little change in females. These recruits may be mirroring the lower cardiovascular fitness levels of the society from which they came.
Mapping body composition patterns of those hired as police officers has implications not only to the health of officers during their careers but also in their ability to perform in emergency situations. **PURPOSE:** To evaluate body composition changes that occur in police recruits from 1990 to 2013 with gender comparisons. **METHODS:** During the first week of police recruit training in a large southeastern metropolitan area, physical fitness levels were evaluated in 2,468 recruits. This study’s variables of interest are: body mass (kg), lean mass (kg), and % body fat. ANOVA and Bonferroni post hoc procedures were used to evaluate data. **RESULTS:** The initial ANOVA shows significance for males in all three variables at $p \leq 0.05$. Males tended to increase in body mass and lean mass from 1990 to 2000 (80.6 ± 1.2kg to 87.3 ± 1.2kg, $p \leq 0.05$) (68.9 ± 0.8kg to 73.4 ± 0.8kg, $p \leq 0.05$), respectively. These values remained relatively constant between 2000 and 2013. No discernable pattern was seen in female lean mass nor body mass. Males tended to increase in % body fat from 1994 to 2010 (13.6 ± 5.0 to 16.7 ± 7.2, $p \leq 0.05$). Although not significant, female % body fat means increased from 1990 to 2013 (22.9 ± 1.0 to 26.2 ± 1.2). **CONCLUSIONS:** Even though there was an increase in body mass, pre lean mass and % body fat over time in males, these increases were low. In addition, these increases were lower in females.
Healthy Aging
15. Lessening Social Isolation for Introverted Older Adults Through Elder Cohousing

Presenter: Glass, Anne P.
School of Health and Applied Human Sciences Professor
University of North Carolina Wilmington

Authors: Glass, Anne P; Nikaela, Frederick

OVERVIEW: Loneliness and social isolation are increasingly recognized as public health issues that can lead to poor health consequences, especially among older people. An elder cohousing community is one way that older adults can find support while maintaining independence. This living arrangement is intentionally designed to promote social contact, and residents manage the community. While each person/couple has a private unit, significant time is spent with neighbors.

PURPOSE: Anecdotal evidence suggests that many introverts have chosen to live in cohousing. Given that this living arrangement requires living in close community, why would those who identify as introverted feel the need to connect with others and why would they choose the cohousing option?

METHODS: In a mixed methods study conducted in an elder cohousing community, 23 (74%) of the 31 residents completed a survey and 19 also completed an in-depth qualitative interview. Interviews were transcribed verbatim and analyzed for themes; descriptive statistics were calculated for the survey data.

FINDINGS: The sample was primarily White (97%), female (70%), well-educated, in good health, and ranged in age from 63-86. Twelve were married/had partner, 16 had children, and 15 (65%) self-identified as “inner-directed” or introverted. These individuals identified five reasons to connect with others: (1) realized connections are a positive thing; (2) to avoid isolation; (3) recognized it was possible to be alone too much; (4) missed being with people after retirement; and (5) did not want to end up like their parents. They chose elder cohousing because they: (1) felt like part of the community; (2) found it easy to connect/not effortful; (3) still had privacy; and (4) liked knowing others were around and looking out for each other.

CONCLUSIONS: These self-aware individuals saw that having social connections was important to help keep them from becoming isolated. Elder cohousing was a way to find an essential balance between privacy and being part of the community. While some respondents noted there was sometimes “too much togetherness,” they considered it a worthwhile trade-off.

PRACTICAL IMPLICATIONS: Elder cohousing offers an avenue to mutual support and social connections that can potentially help alleviate social isolation.
16. *Where the Rubber Meets the Road: Driving Safety for Persons with Dementia*

**Presenter:** Pastor, Diane  
School of Nursing Associate Professor  
University of North Carolina Wilmington

**Authors:** Pastor, Diane; Arms, Tamantha, Jones, Andrea

**Overview:** The Alzheimer’s Association notes that 1/9 Americans over 65 has Alzheimer’s disease. These numbers will rise in proportion to the rapidly increasing number of older adults. However, many older adults are never definitively diagnosed with dementia. Many suffer from age-related cognitive decline, characterized by memory loss not associated with other cognitive issues, or are simply not accurately assessed for cognitive decline that could impair their ability to drive safely. Many older adults continue to drive well past their ability to control their cars safely, risking personal and public safety.

**Objective:** Present a synthesis of current research evidence about how to manage driving safety for persons with dementia, for family and professional caregivers.

**Methods:** Literature review of medicine, nursing, social work and occupational therapy, including peer-reviewed journal articles over 10 years. Keywords: 'driving safety', 'driving cessation', 'dementia' and 'caregivers', full text English language articles. Focus was on interventions supported by research evidence for use by healthcare professionals and family caregivers.

**Results/Findings:** Current clinical practice guidelines tend to be cumbersome to use, lack evidence base and prove inefficient in a typical 15-minute office visit. Most clinicians agree that at some point persons with dementia will not be safe drivers, there is no evidence based screening tool alone that identifies accurately exactly when they should stop driving.

**Conclusions:** We need to teach family caregivers how to ‘begin the conversation’. Families should engage primary providers to begin talking with their loved ones early, have multiple conversations, ride as an observer in the car, and learn about community resources.

**Practical Implications:** Learning about options and rehearsing these alternatives with the older adult driver may go a long way to putting everyone’s mind at ease to manage driving cessation. Another excellent resource is to contact the local Area Office on Aging to see what alternative transportation measures are available in a specific locality. Driving safety is a personal and public health issue that will only become more prominent as older adults age in our communities.
17. Developing a Tool to Assess Stroke Caregiver Readiness

Presenter: Vanhille, Sean
College of Arts and Sciences, Psychology student
University of North Carolina Wilmington

Authors: Vanhille, Sean; Lutz, Barbara; Jones, Carolyn; Young, Mary

Overview: Stroke is the leading cause of long-term disability. Transitions home after inpatient care can be overwhelming for both stroke survivors and their family caregivers resulting in higher health care costs and poorer outcomes. These transitions can be a crisis point for caregivers of stroke survivors because they are often unprepared to provide the care needed at home. Currently, no assessment tools exist to assess the readiness of stroke family caregivers to assume the caregiving role after transition home.

Purpose: The purpose of this study was to validate a newly developed risk assessment tool to identify caregiving needs.

Methods: We developed items for a stroke caregiver readiness assessment (SCRA) instrument based on thematic analysis of 81 in-depth interviews with 40 caregivers. The tool was designed to identify gaps in readiness for the transition home. Higher scores indicate lower readiness to assume the caregiving role at home. Three researchers (2 PhD-prepared nurses, 1 psychology graduate student) used the SCRA to independently score interviews conducted with 15 caregivers during inpatient rehabilitation. The researchers discussed their item scoring and refined organization and wording. SCRA scores were compared to caregiver outcomes including the Bakas Caregiving Outcomes Scale (BCOS), PHQ-9 (depression) and Perceived Stress Scale (PSS) at 30 and 90 days.

Findings: SCRA items showed high inter-rater reliability among the 3 researchers (range: .643 to .984) and sensitivity in assessing caregiver readiness. Correlations between SCRA scores and outcomes indicated statistical trends with moderate to large effect sizes. For example, caregivers with higher scores on the SCRA (indicating poorer readiness) also had worse scores on the PHQ-9, PSS, and BCOS.

Conclusions: The SCRA shows promise in evaluating caregiver readiness and may help providers better prepare family members for the caregiving role before they go home.

Practical Implications: Based on our statistical analyses, we’ve developed a risk assessment tool that is sensitive to stroke caregiver readiness. Further research is needed to continue to validate the SCRA with a goal of developing a tool clinicians can use to identify and address gaps in caregiver preparation prior to discharge home.
18. Therapeutic Exercise with Older Adults Diagnosed with Dementia to Reduce Agitated Behaviors: A Pilot Study

Presenter: White, Sequita Glover  
School of Health and Human Sciences, Masters of Gerontology student  
University of North Carolina at Wilmington

Authors: White, Sequita Glover; Ashton-Forrester, Candace

The chance of developing dementia increases with age, presenting a major public health problem that impacts an individual’s ability to maintain social roles and activities of daily living. In the United States alone, approximately four million people are diagnosed with dementia, and estimates indicate this number will approach fourteen million by the end of the year 2050 (Dettore, Kolanowski & Boustan, 2009). Even though many different cognitive functions and mental abilities are significantly affected by this disease there is evidence that non-pharmacological interventions can help treat the symptoms and slow down the progression of dementia. Therapeutic exercises have been shown to improve the health and wellbeing of older adults diagnosed with cognitive disabilities, Alzheimer’s disease, and dementia (e.g., Colcombe & Kramer, 2003; Heyn, Abreu & Ottenbacker, 2004).

The purpose of this study was to determine if therapeutic exercise for 30 minutes a day, four times a week for four weeks would lower agitation and wandering levels in older adults diagnosed with dementia. The Need-Driven Dementia Model (Algase et al., 1996) was used as a guiding framework for this study. According to the NDB model disruptive behaviors arise from unmet needs and the individual with dementia is pursuing a goal and trying to express a need. Based on this model interventions that address disruptive behaviors should be implement at the time of day when the problem behaviors most commonly occur.

This study used a quasi-experimental design conducted with a convenience sample of three older adults diagnosed with dementia residing on the memory care unit of a long-term care facility. Data collection took part in three phases: (a) 5-day pre-intervention observation period, (b) 16-day exercise intervention (Buettner, & Fitzsimons, 2003) and observation period, and (c) 5-day post-intervention observation period. Observational data for all phases were collected using a modified modified version of the Cohen-Mansfield Agitation Inventory- Short Form (Cohen-Mansfield, 1986).

The results of this study showed a definitive trend towards reducing agitated behavior during the intervention period, with scores returning to base-line during the post-intervention period for all the participants; and supports prior research that participation in an exercise program for 30 minutes a day can lower agitation and wondering in patients with dementia.
19. An Evaluation of Patient Adherence to Follow-up Colonoscopy within a Veteran Cohort:
Cooperative Studies Program #380

Presenter: Press, Ashlyn
Masters of Public Health student
East Carolina University

Authors: Press, Ashlyn; Lea, Suzanne; O'Leary, Meghan; Hauser, Elizabeth; Redding, Thomas

Overview: Colorectal cancer (CRC) is a leading cause of cancer-related deaths in the United States. For patients who undergo CRC screening and are found to have pre-malignant colon polyps, there are guidelines for recommended colonoscopy surveillance intervals based on their screening results. However, there are limited data on patient adherence to recommended surveillance colonoscopies.

Purpose: The purpose of this evaluation is to determine the level of patient adherence to surveillance colonoscopy within a 5-year period among a Veteran screening cohort, and to evaluate potential risk factors for non-adherence.

Methods: Cooperative Studies Program (CSP) #380 performed screening colonoscopies in 3121 asymptomatic Veterans aged 50-75 between 1994 and 1997, and collected demographic information, family history, and medical history from these patients at the time of screening. This evaluation includes the 844 patients who did not have CRC, were scheduled for a colonoscopy within 5 years, and were still living at 5 years. These patients had pre-malignant colon polyps (adenomas) removed. Their polyps were classified into those at high risk for developing cancer (high grade dysplasia, villous, large ≥1cm adenoma) or at low risk (small <1cm adenoma) and randomized to receive a 5-year colonoscopy. Odds ratios and 95 percent confidence intervals were calculated for all variables analyzed in this study.

Findings: Of the 844 patients, 753(89.2%) adhered to their colonoscopy surveillance recommendation and had at least one colonoscopy in the 5-year period. Patients with a BMI 25-2.99 were significantly less likely to be adherent than normal weight patients 0.57(95% CI 0.32-1.01). Patients with high-grade dysplasia were also less likely to be adherent than those with tubular adenomas 0.15(95% CI 0.02-1.10).

Conclusions: Overall, compliance with recommended follow-up was good. The characteristics of individuals most likely to be non-adherent within this cohort include increased BMI, and high grade dysplasia. More research is needed to fully understand predictors to patient adherence to colonoscopy surveillance.

Practical Implications: The results can be used to increase patient education regarding the importance of surveillance adherence. The evaluation of risk factors may help to target those patients most likely to be non-adherent and reduce their likelihood of a future CRC diagnosis.
Environmental Concerns
20. Investigating the Relationship Between Parkinson's Disease and Environmental and Socioeconomic Variables

Presenter: Olsen, Steele  
Environmental Studies, GIS, and Masters of Geoscience student  
University of North Carolina Wilmington

Authors: Olsen, Steele; Halls, Joanne; Lutz, Barbara

Overview: Parkinson's disease (PD) is a neurodegenerative disease with unknown causes although research has indicated a relationship with socioeconomic and environmental characteristics. For example, studies have indicated that agricultural practices may contribute to PD. Deep brain stimulation (DBS) is an effective procedure for treating PD symptoms by improving motor functioning and quality of life.

Purpose: The purpose of this study is to investigate the relationships between the rate of PD with environmental and social characteristics and to assess the accessibility to DBS treatment centers in the US.

Methods: Data were obtained from the following sources: PD death rates from 1999 to 2014 from the Centers for Disease Prevention and Control, environmental data (such as pesticide use) from the US Geological Survey, various socio-economic characteristics from the US Census Bureau, and underserved population data from the HRSA Data Warehouse. DBS treatment center addresses were obtained from Medtronic’s Physician Finder Portal and then geocoded. All data were summarized to counties for the continental United States and then spatial statistics and geospatial models were created using ArcGIS.

Findings: Preliminary results indicate: 1) the upper Midwest has the largest geographic extent and a highly significant cluster of PD, 2) there is significant clustering in all independent variables at local, regional and national scales, 3) the percent white population is directly related to the PD death rate, and 4) the population over age 65 is directly related to PD death rate with two exceptions in Arizona and Florida where there is lower PD and higher older populations.

Spatial models, such as geographically weighted regression (GWR), were used to predict the rate of PD where each county has a unique regression equation that describes how each independent variable relates to the PD death rate.

Conclusions & Implications: Regional differences were identified in the relationship between PD and environmental and socioeconomic variables. Further, results from this research can be used to identify critical underserved hot spots for DBS treatment rather than relying on the existing DBS treatment centers.
21. The Effects of Poverty and Toxic Stress on the Neurological Development and Behaviors of Children

Presenter: Blundo, Robert
School of Social Work Professor
University of North Carolina at Wilmington

Authors: Blundo, Robert; Genander, Dawna; Harrelson, Shannon; Johnson, Lindsay

Overview: This presentation will describe the impact of poverty and toxic stress on the neurological development of children and their subsequent behaviors. The physiological and structural changes of the child’s brain resulting from exposure to toxic stress and interaction within a stressful and unreliable environment will be described. The resulting outcomes from these physiological and structural changes will be described in terms of behaviors and actions of the child as they develop within a family, community and school setting. The subsequent challenges faced by families, communities and schools as well as potential ways of addressing these challenges will be examined.

Purpose and Objectives: The intention of this presentation is two fold. First, it is hoped that practitioners in both human services and education will gain a new perspective on the issues of poverty and stress as consequential for altering the child’s brain structure and processing of information from the environment. Second, given this new perspective, practitioners will be asked to reconsider how problematic behaviors and learning difficulties emerge as a result of these neurological processes meant to keep a child safe from perceived threats from the environment. Seeing these children’s behaviors as adaptive to toxic stress and unreliable parenting will hopefully open up the opportunity to engage the child, families and communities in repairing these difficult social problems.

Conclusion: The implications of toxic stress within a community of poverty and violence, as well as overwhelmed parents and family, leads to consequential changes in infant brains resulting in disruptive behaviors and poor performance in schools.

Practical Implications: With the insights of neuroscience, a very different way of understanding and reacting to the consequential behaviors are available to help address issues of poverty, parenting, and community violence. This enables health care and educational practitioners to shift the focus of their work with children, parents and communities from seeing personal failures to seeing problematic actions as adaptive processes to the toxic stress of poverty and community violence. Given these new insights, it is hoped that practitioners will participate in new ways to address these serious issues.
22. Concern About Prevalence of Smoking During Pregnancy and Low Birth Weight in North Carolina: An Ecological Study

Presenter: Mabellos, Joshua
Bachelors of Science in Public Health student
East Carolina University

Authors: Mabellos, Joshua; Lea, Suzanne C.

Overview of your Research or Innovation Project: The proportion of low birth weight babies born in North Carolina continues to be higher than state goals. The reasons for this excess is poorly understood.
Purpose statement/objectives: The aims of the study is to investigate the relationship between the prevalence of mothers smoking during pregnancy and proportion of low birth weight infants.
Method(s): Using the North Carolina Vital Statistics database, a correlation was calculated between prevalence of maternal smoking during pregnancy and proportion of low birth weight from 2011 to 2015 were collected. Counties in North Carolina were considered as units of analysis.
Conclusions: A correlation is anticipated between prevalence of smoking during pregnancy and low birth weight rates in North Carolina. Stronger measures from public health practitioners and policymakers would be encouraged.
Practical Implications – what can be learned from this project? A direct correlation between prevalence of smoking during pregnancy and low birth weight rate would suggest that health education and outreach programs should be intensified and/or supported by public health departments and policymakers.
23. How Do Farmers’ Market Characteristics Influence Customer Shopping Preferences and Fruit and Vegetable Consumption?

Presenter: Lyonnais, Mary Jane  
Masters of Public Health student  
East Carolina University

Authors: Lyonnais, Mary Jane; Jilcott-Pitts, Stephanie; Wu, Qiang; Gray, Wes

Overview: Surveys and audits were conducted at farmers’ markets in 2015 and 2016 in Eastern North Carolina to study how farmers’ markets affect health behaviors and outcomes in customers.  
Purpose: To examine customer shopping frequency and fruit and vegetable consumption of farmers’ market customers before and after establishing improvements in farmers’ market amenities.  
Methods: Convenience sampling methods were used to recruit participants from July-September of 2015 (n = 263) and May-August of 2016 (n = 359). Questionnaires asked participants about their fruit and vegetable consumption and self-reported height and weight (used to calculate Body Mass Index, BMI). Audits were conducted to record farmers’ market amenities including: hours open, farmers’ market sign available, a welcome booth and type of payment accepted including Supplemental Nutrition Assistance Program (SNAP)/Electronic Benefit Transfer (EBT). T-tests and multiple linear regression analyses were used to compare the data gathered in 2015 to 2016.  
Results: The total scores for the farmers’ market amenities stayed consistent at a mean of 18.8 for 2015 and 18.0 for 2016 while the mean fruit and vegetable availability score decreased overall in 2016 from 14.1 to 11.6, possibly due to a drought at the beginning of the 2016 farming season. In analyses adjusted for age, race, education and gender, the customers surveyed in 2016 reported shopping at farmers’ markets less frequently than those surveyed in 2015. In adjusted analyses, fruit and vegetable consumption decreased from 4.89 servings / day in 2015 to 4.44 servings/ day in 2016 (p = 0.058). BMI was inversely associated with frequency of shopping at farmers’ markets.  
Conclusion: Lower availability of fruits and vegetables at farmers’ markets in the 2016 season could be one reason customers that were surveyed reported shopping less frequently than those surveyed in the 2015 season.  
Practical Implications: Although hopeful, more work is needed in this area to find which improvements can be made in farmers’ markets to encourage healthier dietary change among residents of surrounding communities.

Authors: Mary Jane Lyonnais¹, Stephanie Jilcott-Pitts¹, Qiang Wu², Wes Gray³

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24. *Impact and User Perceptions of the Kids in Parks Program on Trail Usage in Two Trails in Southeastern North Carolina*

**Presenter:** Ross, Barbara Kelsey  
Masters of Public Health student  
East Carolina University

**Authors:** Ross, Barbara Kelsey, Winterbauer, Nancy

Background. Promoting increased park trail usage is one way to address obesity and physical inactivity among children. *Kids in Parks*, a program that uses interactive brochures to engage trail users during hikes, aims to improve the health of children by increasing the time spent outdoors and reducing screen time. Direct observational data of park usage is rare and evaluation of park-based programs is lacking in the literature.

Purpose. The purpose of this study is to compare pre- and post-trailhead usage of two trails in southeastern North Carolina after installation of a *Kids in Parks* kiosk and describe user perceptions of the *Kids in Parks* program.

Methods. Pre- and post-data collected via direct observation at two parks in southeastern North Carolina were compared to assess the kiosk’s impact on trail usage and thus success of the program. Self-reported perceptions of the program were also analyzed. Measures include park users’ demographics, trail utilization rates, kiosk interactions, hike duration, proportion of first time hikers and park users, and qualitative perceptions of the trail. Data analyses explore the association between 1) the number of trail users pre- and post-kiosk installation, 2) hike utilization rates with the kiosk among groups with and without children and 3) hike utilization rates between those who do and do not interact with the program kiosk. User perceptions and program success are also summarized.

Results/Conclusion. Results will describe the success of the program and guide development of the program in the future.
Innovation
25. Nursing Barriers to Implementation of Daily Sedation Interruption

Presenter: Tyndall, Loni  
School of Nursing, Bachelors of Science in Nursing student  
University of North Carolina at Wilmington

Authors: Tyndall, Loni; Sauer, Penny

Overview: Nurses who work in intensive care units often manage patients that are mechanically ventilated and require continuous infusion of sedation in order to provide safe and effective medical and nursing care. The use of continuous sedation can prolong patients’ length of stay, increased delirium and muscle wasting, which ultimately decreases patient quality of life. Research has shown daily interruption of sedation (DIS) can lower complications and improve outcomes. Despite the evidence supporting the use of DIS, this practice has not been consistently implemented in all critical care settings.

Purpose: The purpose of this pilot study was to explore factors that influence nurses’ decisions to implement daily interruptions of sedation.

Methods: A cross-sectional descriptive research design using survey methodology was used to identify factors critical care nurses believe may prevent DIS implementation. Snowball methodology was used to recruit critical care nurses to complete an electronic survey.

Findings: Twenty-nine nurses completed the survey in its entirety. The majority of nurses were females (n=26) with a mean age of 34.79 (SD=10.22), and an average of approximately 10 years of experience. In this study, 93% (n=27) of nurses spent the majority of their time providing hands-on care to critically ill adults. Factors that impacted nurses’ implementation of DIS included: increased workload, poor communication, shift change, and no physician order. Only 37.9% of respondents reported a DIS-specific protocol for their unit; all of these nurses indicated they were moderately familiar with the protocol and could answer questions about its content. The majority of nurses in this sample (87.5%) indicated they would be more willing to implement DIS if a clear, accessible protocol were available and 83.3% said that they were more likely to implement DIS if there were a positive workplace culture in regards to evidence-based practice.

Conclusion: All nurses in this sample were aware of the use of DIS. Barriers to implementation were numerous, but a clear accessible protocol was likely to increase the use of DIS.

Practical implications: Clear accessible protocols, and positive workplace culture are essential to supporting evidence-based practice in nursing units.
26. Using an Interprofessional Research Mentorship Model to Engage the Next Generation of Public Health

Presenter: Kerr, Jared  
School of Nursing, Clinical Research Assistant Professor  
University of North Carolina Wilmington

Authors: Kerr, Jared; Reel, Justin; Giordano, David; Sinclair, Susan; Boyce, Robert

Interprofessional education can offer collaborative experiences in a research environment that mirrors modern workforce practices. This presentation demonstrates how an interprofessional research team was used to address research-related public health competencies in preparing a public health workforce. Our aim was to improve undergraduate and graduate student engagement and learning by teaching the entire research process as an applied learning experience outside of the classroom. An interprofessional research team of faculty from exercise science (n=2), clinical research (n=2), and public health (n=1) implemented this approach using an investigative study of complementary therapies for chronic obstructive pulmonary disorder (COPD). Students with majors in exercise science (n=2), clinical research (n=20), public health studies (n=2), and social work (n=1) participated. Laboratory experiences provided the opportunity for problem-based learning and access to the unique skills of each faculty mentor. Students learned about the research tasks and how to think about those research tasks. Students showed more ownership in the process especially when empowered to lead activities and participate as a fellow team member. Student reflections revealed learning outcomes around skills such as communication, teamwork, and group dynamics. The specific public health competencies that emerged from our thematic analysis included analytical skills, communication, and public health science.
27. Exploration of Current and Alternative Treatment Approaches for the Management of COPD

Presenter: Kerr, Jared  
School of Nursing, Clinical Research Assistant Professor  
University of North Carolina Wilmington

Authors: Kerr, Jared; Reel, Justine; Sinclair, Susan; Giordano, David; Boyce, Robert

A cross-sectional survey was administered to explore use of pharmacological, non-pharmacological, alternative and complementary therapies. This presentation seeks to examine the use of complementary therapies by people with COPD in the U.S. and assess interest in a non-invasive, innovative device to complement existing therapies. Participants were recruited through in-person contacts, flyers, community centers, healthcare providers, and social media. Participants: 817 people with COPD living in the U.S., with an average age of 45 years, primarily female (68%). Participants reported moderate (37%) or severe (41%) COPD diagnosed in the last 10 years. Current use of smoke tobacco (25%) and secondhand smoke (36%) was low. Pharmacological therapies were the most common therapy with 61% of participants indicating that a combination of long-acting bronchodilator and inhaled steroid was used more than once daily. Non-pharmacologic therapies such as exercise, pulmonary rehabilitation, and nutrition counseling were reported less frequently. Oxygen therapy, breathing techniques, and disease management education were the few complementary therapies most frequently used by participants. Participants (47%) would consider in a non-invasive, device for use at home to assist with breathing. Based on the results, we believe there is an opportunity for new complementary therapies to help people suffering from COPD at their homes. Limitations to usage of such devices include support from healthcare providers and cost.
28. *Evolution of the Exploration of a Pilot Medical Device: Easy Breather Exercise Table*

**Presenter:** Giordano, Jordan  
School of Health and Applied Human Sciences student  
University of North Carolina Wilmington

**Authors:** Giordano, Jordan; Kerr, Jared; Boyce, Robert; Reel, Justine; Sinclair, Susan; Knight, Savannah; Spencer, Stephanie

Lung diseases represent a leading cause of death in the United States and worldwide, and consequently, they pose a significant threat to public health. Medicine and surgery are conventional treatment approaches that can alleviate symptoms; however, they are not a cure and come with risks due to side effects and invasiveness. Mindful of the fact that lung diseases are a burden to our society, a local entrepreneur developed a non-invasive device, called the Easy Breather Exercise Table (EBET), with the notion that its use may serve as a complement to conventional treatment options. As a result of this invention, UNCW faculty formed an interdisciplinary team during the summer of 2016 to explore the feasibility and usability of the device for further clinical research studies. Ultimately, the team created a study protocol, which indicates utilizing 250 healthy volunteers to assess comfort levels, changes in physiological measures (e.g., heart rate, SpO2, spirometry), and subject attitude associated with using the EBET. The goal of this poster is to provide a comprehensive update, in terms of study population and identification of sub-groups, changes to the device, data management, and relationship with the inventor and his associated company. Furthermore, the poster will showcase learning experiences, as well as highlight predicted future directions.
29. Benefits and Barriers to Innovative Efforts in the Academy

Presenter: Reel, Justine J.
CHHS Associate Dean of Research and Innovation
University of North Carolina Wilmington

Authors: Reel, Justine J; Kerr, Jared; Ahern, Nancy; Boyce, Robert; Hall, Chris; Jensen, Ashlee; Rowan, Noell; Sprod, Lisa; Tseh, Wayland

Innovation has been defined as developing a new idea or product to address a perceived need in society (Berkun, 2013). Although innovation has retained a strong presence in private industry and business community, Thorp and Goldstein (2010) argued that a trend has emerged toward increased entrepreneurship and innovation on college campuses in the twenty-first century. Despite this push for innovation within the academy, Rogers (2003) acknowledged the inherent challenge of how long it can take an innovative idea to become commercialized and go to market. This presents several challenges associated with the academic climate and being successful as a faculty member to obtain excellence in teaching, research, and service. Therefore, the College of Health and Human Services innovation advisory council, who has been appointed to spearhead entrepreneurship efforts among faculty, staff, and students, explored potential barriers and benefits associated with existing and ongoing innovative projects within the college. The goal was to better understand the positive and negative experiences of faculty who engage in innovation at this university with the intention of forwarding recommendations regarding ways to facilitate support for and promote innovation amongst faculty, staff, and students within the college. This poster presentation will provide specific examples of faculty-driven projects that represent innovation. Faculty innovators expressed enjoyment and enthusiasm around innovative projects, an opportunity for scholarship deliverables such as publications and presentations as well as the chance to collaborate with others. Challenges tended to center around how to fit innovative projects into one’s faculty workload and RTP categories will be discussed as well as other barriers such as delays in the legal process and the need for technological expertise.
30. **UNCW Office of Innovation and Commercialization (OIC) Projects and Support**

**Presenter:** Krumm, Christopher  
Office of Innovation and Commercialization Interim Manager  
University of North Carolina Wilmington

**Authors:** Krumm, Christopher; Galbraith, Craig

This poster presentation will provide an overview of the University of North Carolina Wilmington’s Office of Innovation and Commercialization (OIC). The overview will center on the commercialization process, the support offered through this process, and current projects and initiatives.
31. Underutilization of Pediatric Procedural Pain Management: A Policy Analysis

Presenter: Bice, April  
School of Nursing Assistant Professor  
University of North Carolina Wilmington

Authors: Bice, April

Overview and Problem Statement: Invasive nursing procedures such as injections, intravenous cannulation, or blood sampling are a routine and frequent nursing practice in pediatric health care. Infants, children, and adolescents are often required to endure non-urgent but medically necessary painful nursing interventions. These invasive procedures can be quite distressing experiences and treatments for the pain associated with them is often underutilized (American Academy of Pediatrics & American Pain Society, 2001). Unfortunately, long term negative effects of repeated and undertreated procedural pain do exist and may include fear, aggression, anxiety, distrust of healthcare providers, depression, insomnia, and more (Czarnecki et al., 2011). This proposal is related to the overall Healthy People 2020 goal of improving the health and well-being of women, infants, children, and families. It also more specifically exemplifies an important objective found in the Social Determinants of Health category: to decrease the number of individuals who are unable to attain necessary medical care (Office of Disease Prevention and Health Promotion, 2014). Prevention and alleviation of pediatric procedural pain is necessary.

Purpose: In this quality improvement project the following health policy issue will be analyzed: underutilization of evidence-based pain management and treatment among children during invasive procedures.

Methods/Approach: Using a formal policy analysis method, consideration of: criteria, related factors, and key stakeholders will be completed. A proposal for adopting evidence-based clinical practice guidelines will be made. This recommendation will be evaluated with four essential criteria including: cost, effectiveness, timeliness, and administrative ease. Reduced pain and discomfort associated with nursing procedures is a positive health outcome- especially considering the aforementioned negative physical and mental health effects of procedural pain on children as well as the overall improvement in quality of life.

Conclusion and Policy Implications: Within the provisions of the Patient Protection and Affordable Care Act (PPACA) are specific guidelines on advancing science related to patient pain outcomes (2010). In this project, evidence will be presented suggesting implementation of an institutional policy change or unit-based protocol that increases nursing adherence to procedural pain management and improves child procedural pain outcomes.
32. Pilot Project to Implement Medidata Rave Software in the Clinical Research Program as Applied Learning

Presenter: Donova, Tatyana
School of Nursing, Clinical Research student
University of North Carolina Wilmington

Authors: Donova, Tatyana; Shostak, Linda

CHHS integrated applied learning into the Clinical Research (CLR) Data Management curriculum using the Medidata Rave Electronic Data Capture (EDC) platform. The purpose was to provide students with applied learning opportunities to support mastery of key clinical research concepts and skills to be utilized in industry internships and future employment. Course learning objectives were reviewed to identify core concepts that aligned with practical application. Course modules were developed to combine lectures with applied learning assignments on topics such as study lifecycle, roles and responsibilities, data entry, data integrity, data review and query management.

Over 80 students and faculty members were provided with Medidata Rave accounts. Students completed Medidata certification for key clinical research roles including data management, clinical site monitoring, study coordination and primary investigator oversight. Students then executed hands on exercises to reinforce core concepts of clinical data management and master critical skills. Many students were also able to apply Medidata skills within their industry internship.

CLR core courses are being reviewed to identify additional opportunities to enable applied learning using Medidata's EDC platform and to add Medidata's Clinical Trials Management System (CTMS) software to the applied learning toolkit.