

Martha J. Biddle, PhD, APRN, CCNS, FAHA
Curriculum Vitae

University of Kentucky
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EDUCATION

Dates	Institution/Location	Degree/Field of Study
07/2004-05/2011	University of Kentucky, College of Nursing 751 Rose Street, Lexington, KY 40536	PhD, Nursing
08/2000-05/2002	University of Kentucky, College of Nursing 751 Rose Street, Lexington, KY 40536	MSN, Clinical Nurse Specialist
01/1984-05/1987	Thomas More College 333 Thomas More Pkwy, Edgewood Ky.41017	BSN
08/1982-01/1984	Northern Kentucky University Nunn Drive, Highland Heights, KY 41099	General Studies

LICENSURES AND CERTIFICATIONS

3/2003- current	Kentucky: Advanced Registered Nurse Practitioner- #3004126 Kentucky: Registered Nurse #1058379
3/2003- current	AACN Clinical Nurse Specialist (CCNS) - Adult Acute and Critical Care Adult Nursing

PROFESSIONAL EXPERIENCE

Academic

Dates	Institution and Location	Title
July 2011- present	University of Kentucky, College of Nursing, 751 Rose Street, Lexington KY. 40536	Associate Professor, Chair of Advancement of Student Scholarly Affairs Council
Jan 2001-June 2001	Midway College of Nursing, 512 East Stephens Street, Midway Ky. 40347	Adjunct Professor, Clinical Instructor

Clinical/Other

Dates	Institution and Location	Title
March 2019-current	University of Kentucky, CCTS Clinical Procedures Lab	APRN, Research Procedural Provider # 080430
Jan. 2012- 3/2018	Gill Heart Institute, UK College of Medicine 125 East Maxwell, Suite 200, Lexington KY	APRN, Clinical Nurse Specialist, General Cardiology- Women's Health Program
Dec. 2006 - July 2011	University of Kentucky College of Nursing, 751 Rose Street, Lexington KY. 40536	Director of Operations, RICH Heart Program

Feb. 2002 - Dec. 2006	Georgetown Community Hospital, 1140 Lexington Road, Georgetown, KY. 40324	Director of Cardiovascular Nursing, Cardiac Rehabilitation and Disease Management Clinic Research Associate
Aug. 2000 - Aug. 2004	University of Kentucky, College of Nursing, 751 Rose Street, Lexington KY. 40536	
Aug. 1999 – Jan. 2002	Self-employment	Cardiovascular Clinical Educator
March 1997 – May 2000	Georgetown Community Hospital, 1140 Lexington Road, Georgetown, KY. 40324	Department manager, ICU & Med-Surgical
Feb. 1994 – March 1997	Georgetown Community Hospital, 1140 Lexington Road, Georgetown, KY. 40324	Staff nurse- ICU, Recovery Room, House Supervisor, ED
April 1994 – May 1996	Central Baptist Hospital Lexington, KY.	Staff nurse- Critical Care Float, Cardiac Rehab
May 1987 – June 1997	St. Elizabeth Medical Center 1 Medical Village Drive, Edgewood, KY 41017	Staff nurse- Telemetry, ICU

HONORS AND AWARDS

2020-2021	Journal of Rural Health, Exceptional Reviewer
2018	University of Kentucky, Chair's Academy
2017	University of Kentucky College of Education, Teacher Who Made a Difference
2014	American Heart Association, Council on Epidemiology and Prevention, Fellow, Lake Tahoe 10 Day Seminar
2014	American Heart Association, Arteriosclerosis/Heart Failure Translational Research Award
2013	American Heart Association, Fellow
2012	University of Kentucky College of Nursing, Excellence in Graduate Precepting
2011	Preventative Cardiovascular Nurses Association, Graduate Award
2009	University of Kentucky, Best Doctoral Student Podium Presentation
2003	Heart Failure Society of America, Nursing Research Award, "Following a Sodium Restricted Diet: Attitude and Barriers"
2002	College of Nursing Alumni Association, Presidential Award
2002	American Heart Association Heart Disease and Stroke, Student Scholarship Award

EDUCATIONAL GRANTS

2016	European Society of Cardiology- ESC Congress Education Grant	\$1000 Euros
2015	eLearning Innovation Initiative (eLII) Faculty Skill Development Program	\$6000 USD

FUNDED RESEARCH

August 2021- May 2026	Sex-based Muscular Adaptations, Capillary Dysfunction and Functional Decline Impact Knee-related Psychosocial Outcomes After Acute Knee Injury (SMACK). Co-Investigator , NIAMS 1R01AR078316-01A1, (PI- Noehren)
September 2020-2021	Exploring the feasibility of a start-up incubator to decrease depression and occupational stress in beginning Kentucky farmers. PI , Southeast Center for Agricultural Health and Injury Prevention (NIOSH/CDC), \$15,000
April 2020- October 2020	Biometric Measurement of CSA Participants, PI , University of Kentucky, CCTS Small Grants, \$5000
March 2019-October 2023	Exercise induced Skeletal Muscles Exosomes Promote Adipocyte Lipolysis (TIMER), Co-Investigator , NIH-NIDDK, \$781,974 (PI-John McCarthy)
October 2018-2019	CSA Voucher Pilot Collaboration- Biometric of CSA Participants, PI , UK CON/CAFÉ/DDHN funded \$22,000

July 2017-June 2022	Mechanistic Assessment of Blood Flow Restricted Training for an ACL Injury, Co-Investigator , NIH-NIAMS 5R01AR071398-04, \$1,472,269 (PI-Brian Noehren)
May 2018- June 2019	A Dietary Intervention to Reduce Inflammation and Oxidative Stress in Persons with Metabolic Syndrome, PI , CON Pilot, \$17,000
Sept 2016-August 2021	Rural Intervention for Caregivers' Heart Health (RICHH), Co-Investigator , NIH-NINR 1R01NR016824-04, \$2,102,078 (PI- Debra Moser)
Aug. 2011 – July 2015	Nutrition Intervention to Reduce Symptoms in Patients with Advanced Heart Failure, Co-Investigator , NIH 1R01NR013430-1, \$1,599,473
Sept. 2013 – June 2017	Early Detection and Prevention of Mild Cognitive Impairment due to Cerebrovascular Disease, Co-Investigator , NIH/National Institute of Nursing Research 1R01NR014189-01, \$1,859,780
May 2014 – June 2014	A Dietary Antioxidant Intervention for Secondary Prevention of Cardiovascular Disease, PI , University of Kentucky CCTS Small Grant Program, \$3000.00
July 2012 – June 2014	A Dietary Antioxidant Intervention for Secondary Prevention of Cardiovascular Disease, PI , University of Kentucky, Research Support Grant program sponsored by the Office of the Vice President for Research, \$20,000.
May 2014-Dec. 2014	A Dietary Antioxidant Intervention for Secondary Prevention of CVD, PI , University of Kentucky Center for Clinical and Translational Science (CCTS) Small Grants Program; \$3000
Mar. 2013 – Feb. 2016	Reducing Health Disparities in Appalachians with Multiple Cardiovascular Disease Risk Factors, Co-Investigator . Patient Centered Outcomes Research Institute; \$2,092,473
Aug. 2010 – Aug. 2012	HeartHealth in Rural Kentucky, Phase II, Co-Investigator , Health Resources and Services Administration, D1ARH20134-01-00, \$1,980,000
September 2009	Heart Health in Rural Kentucky, Project Director , HRSA Rural Health Outreach Special Initiative, \$941,490
January 2007	Improving Self-Care Behaviors in Rural Heart Failure Patients, Project Director , 1R01HL083176 - 01A, \$4, 099,437.
2007 - 2011	The effectiveness of a structured educational intervention on the length of pre-hospital delay in patients with risk of acute coronary syndrome, Data Coordinator , Irish National Health Research Board, €300,000

GRANTS SUBMITTED

Oct 2021	Daily Choices: A nutritional education intervention with women in rural Kentucky to increase consumption of fruits, vegetables and a plant-based diet, NIH-NINR, NIMHD, PI , \$2,606,340.00, pending review 3/4/2022
Feb 2021	Frailty in an Elderly Veteran Pre-Surgical Population, Jonas Nurse Leader Program Scholarship, PI , \$15,000 (not funded)
June 2020	CCTS Igniting Research Collaborations (Co-I) Dietary and Exercise Interventions to Improve Mobility and Quality of Life in Cancer Survivors, \$40,310 (not funded)
May 2020	COVID-19 Cardiovascular Risk, Nutritional Status and Food Security of CSA Program Participants, PI , CCTS CURE Alliance, \$14,000 (not funded)
Apr 29 th , 2019	Nourish Heart and Mind, PI , Rita and Alex Hillman Foundation, \$50,000 (not funded)
May 29 th , 2018	Cardiovascular Health of Participants Enrolled in a CSA Voucher Program Compared to non-CSA Participants, PI , Ignite/IRC VP of Research, \$28,980 (not funded)
May 31 st , 2018	Nutritional intake and Optimism in Patients with Heart Failure, PI , Heart Failure Society of America, Research Grants for Nurses, \$10,000 (not funded)
Oct. 2015	ADAPT to a Heart Healthy Lifestyle for Secondary Prevention of Atherosclerotic CVD, PI NIH, R01; \$2,451,085.00 (not funded)

- July 2014 A Dietary Antioxidant Intervention for Secondary Prevention of Cardiovascular Disease in Patients with Acute Coronary Syndrome, **PI**
AHA Mentored Clinical & Population Research Award \$154,000 (not funded)
- Jan. 2015 Resubmission: A Dietary Antioxidant Intervention for Secondary Prevention of Cardiovascular Disease in Patients with Acute Coronary Syndrome, **PI**
AHA Mentored Clinical & Population Research Award \$154,000 (not funded)

PUBLICATIONS

Book Chapter

Moser, D.K., & Riegel, B. (2008). Cardiac nursing: A companion to Braunwald's *Cardiac Disease*. Elsevier: Philadelphia.

Peer reviewed manuscripts: (** my student's scholarship)

- Hudgins, J., Mason, M., Campbell, M., **Biddle, MJ**, Ickes, M., Bollinger, L., (2021) Changes in Physical Activity during the initial stages of the COVID-19 Pandemic. *Journal of Sports Sciences*, PMID: 34503395, DOI: 10.1080/02640414.2021.1976569
- **Kang J, Moser DK, **Biddle MJ**, Oh G, Lennie TA. Age- and sex-matched comparison of diet quality in patients with heart failure to similarly aged healthy older adults. *J Nutr Sci*. 2021;10: e65.
- **Derringer, J. and **Biddle, M.J.** (2021). Lost Decades of Farm Stress Research: A Systematic Review of Educational Interventions to Reduce Psychosocial Stress Among Farm and Rural Populations. *Journal of Rural Health*. Accepted 9/16/2021
- Melander, S., Hampton, D., Garritano, N., Makowski, A., Hardin-Pierce, M., Scott, L., Tovar, E., **Biddle, M.**, Strengthening the impact of Doctor of Nursing Practice projects in education and clinical practice, *The Nurse Practitioner*: August 2021 - Volume 46 - Issue 8 - p 33-38. doi: 10.1097/01.NPR.0000751804.78165.5a
- Chin-Yen Lin, Muna Hammash, Jennifer L Miller, Melanie Schrader, Gia Mudd-Martin, **Martha J Biddle**, Debra K Moser, Delay in seeking medical care for worsening heart failure symptoms: predictors and association with cardiac events, *European Journal of Cardiovascular Nursing*, Volume 20, Issue 5, June 2021, Pages 454–463,
- Smith, J.L., Chung, M.L., Miller, J.L., **Biddle, M.**, Schuman, D.L., Rayens, M.K., Lennie, T.A., Smalls, B., Hammash, M., Mudd-Martin, G., Moser, D.K., 2021. Profile of informal rural Appalachian caregivers of patients with chronic illnesses. *The Journal of Rural Health*. doi:10.1111/jrh.12560
- Biddle MJ**, Kang J, Derringer J, et al. Examining Food Security, Choices and Barriers among Community Supported Agriculture Participants during COVID- 19 in Kentucky. *Journal of Hunger & Environmental Nutrition*. 2021:1-11. doi: 10.1080/19320248.2021.1994084
- **Kang, J., Moser, DK, **Biddle, MJ**, Lennie, TA, Smyth, SS, Vsevolozhskaya, OA. (2020). Inflammatory properties of diet mediate the effect of depressive symptoms on Framingham risk score in men and women: Results from the National Health and Nutrition Examination Survey (2001-2014). *Nutrition Research*, 2020 Feb; 74:78-86. doi: 10.1016/j.nutres.2019.11.008.Epub 2019. Nov 23. PMID 31958655
- **Vitori, T.K., Frazier, S.K., **Biddle, M.J.**, Mudd-Martin, G., Pelter, M.M., Dracup, K., Moser, D.K. (2020). Hostility predicts mortality but not recurrent acute coronary syndrome. *European Journal of Cardiovascular Nursing*. doi:10.1177/1474515120950913
- Biddle, M.J.**, Dracup, K., Pelter, M., Robinson, S., Moser, D.K. (2019). Predictors of Adherence to Self-Care Recommendations in Rural Patients with Heart Failure. *Journal of Rural Health*. Jan;36(1):120-129. doi: 10.1111/jrh.12405.
- Miller, JL, Chung, ML, Etaaee, F., Hammash, M. Thylen, I., **Biddle, M.J.**, Elayi, SC, Czarapata MM, McEvedy, S., Cameron, J., Haedtke, CA, Ski, CF, Thompson, DR, Moser, DK. Missed Opportunities! End of life decision making and discussion in implantable cardioverter defibrillator recipients. *Heart Lung*, 2019 July-Aug; 48(4): 313-319. doi: 10.1016/j.hrtlng.2019.04.006. Epub 2019 May 7. PMID: 31076180
- Hammash, M. McEvedy, S.M., Wright, J. Cameron, J., Ski, C.F., Thompson, D.R., **Biddle, M.J.**, Wimsat, A., Schrader, M., Smith, R.V., Chung, M., Moser, D.K., Perceived control and quality of life among recipients of implantable cardioverter defibrillator. *Australian Critical Care*. 2018. PMID: 30292645

5. McKee G, Mooney M, O'Donnell S, O'Brien F, **Biddle M.J.**, Moser DK. A cohort study examining the factors influencing changes in physical activity levels following an acute coronary syndrome event. *European Journal of Cardiovascular Nursing*. 2018:1474515118786203.
6. McEvedy, S.M., Cameron, J., Lugg, E., Miller, J., Haedtke, C., Hammash, M., **Biddle, M.J.**, Mariani, J.A., Ski, C.F., Thompson, D.R., Chung, M.L., Moser, D.K. Implantable cardioverter defibrillator knowledge and end-of-life device deactivation: A cross-sectional survey. *Palliative Medicine*. 2018. PMID: 28678000.
7. Park LG, Dracup K, Whooley MA, McCulloch C, Chengshi J, Moser DK, Clark RA, Pelter MM, **Biddle M.J.**, Esquivel JH. Symptom diary use and improved survival for heart failure patients. *Circ Heart Fail* 2017. PMID: 29158435
8. Abshire, D.A., Lennie, T.A., Chung, M.L., **Biddle, M.J.**, Barbosa-Leiker, C., Moser, D.K. (2018). Body Mass Index Category Moderates the Relationship Between Depressive Symptoms and Diet Quality in Overweight and Obese Rural-Dwelling Adults. *The Journal of Rural Health*. PMID: 28686799
9. Moser, D.K., Arslanian-Engoren, C., **Biddle, M.J.**, Chung, M.L., Dekker, R.L., Mudd-Martin, G., Alhurani, A., & Lennie, T.A. (2016) Psychological Aspects of Heart Failure. *Current Cardiology Reports*. PMID: 27796856.
10. Hammash, M.H., Lennie, T.A., Crawford, T., Heo, S., Chung, M.L., **Biddle, M.J.**, Dekker, R., Wu, J.R., Rayens, M.K., Moser, D.K. (2016). Depression Symptoms: Mediator of Event-Free Survival in Patients with Heart Failure. *Western Journal of Research*. PMID: 27411977.
11. **Lottes, M.S., Thomas, T., Biddle, M.**, (2016). Evaluation of Current Feeding Practices in the Critically Ill: A Retrospective Chart Review. *Intensive and Critical Care Nursing*. PMID: 27395368.
12. Lee, K.S., Moser, D.K., Pelter, M., **Biddle, M.J.**, & Dracup, K. A Two-step Approach to Screen for Depressive Symptoms in Patients with Heart Failure and Prediction of Mortality. *American Journal of Critical Care*.
13. Saleh, Z. T., Lennie, T. A., Mudd-Martin, G., Bailey, A. L., Novak, M. J., **Biddle, M.**, Khalil, A. A., Darawad, M., Moser, D.K. (2015). Decreasing sedentary behavior by 30 minutes per day reduces cardiovascular disease risk factors in rural Americans. *Heart & Lung*, 44, 382-386.
14. Moser DK, Robinson S, **Biddle, M.J.**, Nesbit T, Southard J, Cooper L, Dracup K. (2015). Health literacy predicts morbidity and mortality in rural patients with heart failure. *J Cardiac Fail*, 21, 612-618.
15. Lee KS, Lennie TA, Dunbar SB, Pressler SJ, Heo S, Song EK, **Biddle, M.J.**, Moser DK. (2015). The association between regular symptom monitoring and self-care management in patients with heart failure. *Journal of Cardiovascular Nursing*. 30(2), 145-151. PMID: 4098015.
16. Alhurani, A.S., Dekker, R.L., Abed, M.A., Khalil, A., Zaghaf, M.H., Lee, K.S., Mudd-Martin, G., **Biddle, M.J.**, Lennie, T.A., Moser, D.K. (2015). The Association of Co-Morbid Symptoms of Depression and Anxiety with All-Cause Mortality and Cardiac Rehospitalization in Patients with Heart Failure. *Psychosomatics*. 2015 July-Aug;56(4):371-80. doi: 10.1016/j.psych.2014.05.022. Epub 2014 Jun 2. PMID: 25556571
17. Mudd-Martin, G., Rayens, MK, Lennie, TA, Chung, ML, Gokun, Y., Wiggins, A., **Biddle, M.J.**, Bailey, AL., Novak, MJ., Casey, B., Moser, DK. (2014). Fatalism Moderates the Relationship between Family History of Cardiovascular Disease and Engagement in Health-Promoting Behaviors among At-Risk Rural Kentuckians. *The Journal of Rural Health*. 22 Sept. doi: 10.1111/jrh.12094. PMID 25252080.
18. Lee KS, Lennie TA, Wu J, **Biddle M.J.**, and Moser DK. (2014) Depressive Symptoms, Health-Related Quality of Life, and Cardiac Event-free Survival in Patients with Heart Failure: A mediation analysis. *Quality of Life Research*. 23 Aug. doi: 10.1007/s11136-014-0636-5.
19. Moser, D. K., **Biddle, M.J.**, Chung, M. L., Dekker, R., Lennie, T. A., Mudd-Martin, G. (November 2013). How enhancing self-care in patients with heart failure can avert a healthcare crisis. *Journal of Cardiac Failure*, 19, S107.
20. **Biddle, M.J.**, Lennie, T. A., Bricker, G. V., Kopec, R. E., Schwartz, S. J., & Moser, D. K. (2015). Lycopene Dietary Intervention: A Pilot Study in Patients with Heart Failure. *J Cardiovasc Nurs*, 30, 205-212. PMID: 4168010.
21. Lee, K.S., Lennie, T.L., Dunbar, S.B., Pressler, S.J., Ho.S., Song, E.K., **Biddle, M.J.**, Moser, D.K. (2014), The Association between Regular Symptom Monitoring and Self-Care Management in Patients with Heart Failure. *The Journal of Cardiovascular Nursing*. 14 Jan. PMID: 24434828.
22. Banerjee T, Lee KS., Browning SR, Hopenhayn C, Westneat S, **Biddle M.J.**, Arslanian-Engoren C, Eastwood JA, Mudd G, Moser DK. (2014). Limited association between perceived control and health-related quality of life in patients with heart failure. *The Journal of Cardiovascular Nursing*, 29, 227-231. PMID 3701030.

23. McKee G, Mooney M, O'Donnell S, O'Brien F, **Biddle M.J.**, Moser DK. (2013). Multivariate analysis of predictors of pre-hospital delay in acute coronary syndrome. *International Journal of Cardiology*, 168, 2706-2713.
24. McKee G, **Biddle M.J.**, S O'Donnell, Mooney M, F O'Brien, Moser DK. Cardiac rehabilitation after myocardial infarction: What influences patients' intentions to attend? (2014). *European Journal of Cardiovascular Nursing*, 13, 329-337.
25. Mudd-Martin, G., **Biddle, M.J.**, Chung, M.L., Lennie, T.A., Bailey, A.L., Casey, B.R., Novak, M.J., and Moser, D.K. (2014). Rural Appalachian perspectives on heart health: Social ecological contexts. *American Journal of Health Behavior*, 38(1), 134-143(10).
26. **Biddle, M.J.**, Moser, D.K., Song, E.K., Heo, S., Payne-Emerson, H., Dunbar, S.B., Pressler, S., Lennie, T.A. (2013). Higher dietary lycopene intake is associated with longer cardiac event-free survival in patients with heart failure. *European Journal of Cardiovascular Nursing*. 2013;12(4):377-384. doi:10.1177/1474515112459601.
27. Wu, J.R., Lennie, T.A., Dekker, R. L., **Biddle, M.J.**, & Moser, D.K. (2013). Medication Adherence, Depressive Symptoms, and Cardiac Event-Free Survival in Patients with Heart Failure. *Journal of Cardiac Failure. Journal of Cardiac Failure*, 16 ,142-149. PMID: PMC2819978.
28. Lennie, T. A., Moser, D. K., **Biddle, M.J.**, Welsh, D., Bruckner, G. G., Thomas, D. T., Rayens, M. K. and Bailey, A. L. (2013). Nutrition intervention to decrease symptoms in patients with advanced heart failure. *Research in Nursing & Health*, 36, 120-145.
29. Welsh, D., Lennie, T. A., Marcinek, R., **Biddle, M.J.**, Abshire, D., Bentley, B., & Moser, D. K. (2013). Low-sodium diet self-management intervention in heart failure: pilot study results. *European Journal of Cardiovascular Nursing*. PMID: PMC3811065.
30. Wu, J. R., Lennie, T. A., Chung, M. L., Frazier, S. K., Dekker, R.L., **Biddle, M.J.**, & Moser, D.K. (2012). Medication adherence mediates the relationship between marital status and cardiac event-free survival in patients with heart failure. *Heart & Lung*, 41(2), 107-114. PMID: 3288268.
31. Moser, D. K., Frazier, S. K., Worrall-Carter, L., **Biddle, M.J.**, Chung, M. L., Lee, K. S., & Lennie, T. A. (2011). Symptom variability, not severity, predicts rehospitalization and mortality in patients with heart failure. *European Journal of Cardiovascular Nursing* 10(2), 124-129. PMID: PMC2987519.
32. **Biddle, Martha J.**, "LYCOPENE AND ITS POTENTIAL NUTRITIONAL ROLE FOR PATIENTS WITH HEART FAILURE" (2011). Doctoral Dissertations. Paper 175. http://uknowledge.uky.edu/gradschool_diss/175
33. Welsh, D., Marcinek, R., Abshire, D., Lennie, T., **Biddle, M.J.**, Bentley, B., & Moser. D. (2010). Theory-based low-sodium diet education for heart failure patients. *Home Healthcare Nurse*; 28(7):432-441. PMID: PMC2923425.
34. Bentley B, Lennie TA, **Biddle M.**, Chung, ML, Moser DK. (2009). Demonstration of psychometric soundness of the Dietary Sodium Restriction Questionnaire in patients with heart failure. *Heart & Lung*, 38, 121-28.
35. Moser, DK, Chung ML, McKinley S, Riegel B, An K, Cherrington CC, Blakley W, **Biddle M.**, Frazier SK, Garvin BJ. (2003). Critical care nursing practice regarding patient anxiety assessment and management. *Intensive and Critical Care Nursing*, 19, 276-288.
36. Moser, D. K., & **Biddle, M.J.** (2003). Angiotensin-converting enzyme inhibitors and angiotensin II receptor blockers: What we know and current controversies. *Critical Care Nursing Clinics of North America*, 15, 423-437.

Non- Peer Reviewed Publications

1. Lee, C.S., Kitko, L., **Biddle, M.**, Riegel, B.J. (2015). Successful Mentoring Relationships: American Heart Association Council on Cardiovascular and Stroke Nursing. *The Journal of Cardiovascular Nursing*, 2015, Sept-Oct; 30(5):379-81. doi: 10.1097/JCN.0000000000000275.
2. **Biddle, M.** & Kitko, L. (2015) A Report from the American Heart Association Council on Cardiovascular and Stroke Nursing. *Journal of Cardiovascular Nursing*. 2015 May-June;30(3):186-7. doi: 10.1097/JCN.0000000000000263. PMID 25874669
3. Beckie, TM., **Biddle, M.**, & McCabe, P. (2014) Council on Cardiovascular Nursing. *The Journal of Cardiovascular Nursing*. 2014. Mar-Apr 29 (2). 105-107.

4. **Biddle, M.**, Yates, B.C., McCabe, P.J. (2013). American Heart Association Council on Cardiovascular and Stroke Nursing. *The Journal of Cardiovascular Nursing*, 2013, Mar-Apr: 28(2): 106-8. doi: 10.1097/JCN.0b013e3182816029.
5. McCabe, P.J., Wade, K., Morgan, L., **Biddle, M.**, Beckie, T.M. (2013). American Heart Association Council on Cardiovascular and Stroke Nursing. *The Journal of Cardiovascular Nursing*, 2013 Jul-Aug: 28(4): 315-7.
6. Moser, D.K, Chung M.L, McKinley S, Riegel B, An K., Cherrington C.C., Blakley, W., **Biddle M.J.**, Frazier SK, Garvin BJ. (2003). Critical care nursing practice regarding patient anxiety assessment and management. *Intensive and Critical Care Nursing*, 19, 276-288.
7. Moser, D. K., & **Biddle, M.J.** (2003). Angiotensin-converting enzyme inhibitors and angiotensin II receptor blockers: What we know and current controversies. *Critical Care Nursing Clinics of North America*, 15, 423-437.

Published Abstracts (my Student's scholarship)**

1. **Biddle, M.J.** Kang, J., Brewer, D., Woods, T. (Nov. 2021). Reducing Cardiovascular Risk among Participants in a Community Supported Agriculture Program. *Circulation supplement*; 144: A10560
2. **Kang, J., Moser, D.K., **Biddle, M.J.**, Lennie, T.A (2020). Pro-inflammatory Diet Independently Predicts Event-free Survival in Patients with Heart Failure. *Circulation*. 2020;142:A15644
3. **Kang, J., Moser, D.K., **Biddle, M.J.**, Lennie, T.A., Smyth, S.S., Vsevolozhskaya, O. A. (2019). Inflammatory properties of diet mediate the effect of depressive symptoms on cardiovascular disease risk in men and women: Results from the National Health and Nutrition Examination Survey (2007-2014). *Circulation supplement*. 140: A12261
4. Miller, J.L. Chung, M.L., Hammash, M., Harman, J.L., Haedtke, C., Elayi, S.C., Czarapata, M.M., **Biddle, M.J.**, & Moser, D.K. (2017). Event-free survival in central Appalachian implantable cardioverter defibrillator recipients. *Circulation supplement* 136: A20579.
5. Moser, D.K., Feltner, F., **Biddle, M.J.**, Chung, M.L. & Lennie, T. A. (2017). Reduction of health disparities in Appalachians with multiple cardiovascular disease risk factors: A randomized controlled trial. 136:A20502.
6. **Biddle, M.J.**, Kang, J., Miller, J.L., Hammash, M., Cameron, J., Chung, M.L., & Moser, D. K. (2016). Implantable Cardioverter Defibrillator Recipient's Perceptions of Healthcare Provider's Discussions related to Device Therapy. AHA Scientific Sessions, *Circulation supplement* 134: A16559.
7. **Kang, J., **Biddle, M.J.**, Moser, D.K., & Lennie, T.A. (2016). Heart Failure Patients have Lower Diet Quality and Higher Added Sugar Consumption Compared to Age and Sex-matched Community Dwelling Adults. AHA Scientific Session, New Orleans, LA. *Circulation supplement* 134: A20577.
8. **Lin, C.Y., Dracup, K., **Biddle, M.J.**, & Moser, D.K. (2016) Heart Failure Symptom Knowledge Improves Heart Failure Self-Care in Rural Patients with Heart Failure. *Journal of Cardiac Failure*. Vol. 22, Issue 8, S6, August 2016.
9. **Kang, J., **Biddle, M.J.**, Lennie, T.A., Moser, D.K., (2015) An Intensive Heart Health Intervention Can Improve Diet Quality and Reduce Cardiovascular Risk Factors in Individuals Residing in Rural Environments. *Circulation supplement*. 132: A11926

10. Lee, K.S., Moser, D.K., Pelter, M., **Biddle, M.J.**, & Dracup, K. (2015). Screening for Depressive Symptoms in Patients with Heart Failure. 10th International Nursing Conference, Seoul, Korea.
11. Lee, K.S., Moser, D.K., Pelter, M., **Biddle, M.J.**, & Dracup, K. (2015). Predictors of Self-care in Rural Residents with Heart Failure. 10th International Nursing Conference. Seoul, Korea.
12. **Biddle, M.J.**, Moser, D. K., Pelter, M. M., Robinson, S., & Dracup, K. (2013). Who listens to our advice? Predictors of adherence to self-care recommendations in rural patients with heart failure. *Circulation*, 128,A17923.
13. **Biddle, M.J.**, Lennie, T.A, Mudd-Martin, G. T., Bailey, A. L., Novak, M. J., Casey, B. R., Chung, M. L., & Moser, D. K. (2013). A dietary intervention rich in antioxidants reduces inflammation and oxidative stress. *Circulation*. 128: A15553.
14. Chung, M. L, Lennie, T. A., **Biddle, M.J.**, Mudd-Martin, G. T., Bailey, A. L., Casey, B. R., Novak, M. J., & Moser, D. K. (2013). Cardiovascular risk reduction in rural family caregivers: Evidence of effectiveness despite caregiver demands. *Circulation*. 128: A12343.
15. Lennie, T.A., **Biddle, M. J.**, Mudd-Martin, G. T., Bailey, A. L., Casey, B. R., Novak, M. J., Chung, M. L, & Moser, D. K. (2013). An intervention to reduce sodium intake can lower blood pressure in adults with multiple cardiovascular risk factors living in a rural austere environment. *Circulation*. 128: A17858.
16. Moser, D. K., **Biddle, M. J.**, Mudd-Martin, G. T., Bailey, A. L., Casey, B. R., Novak, M. J., Lennie, T.A., & Chung, M. L. (2013). Cardiovascular risk reduction in socioeconomically austere rural environments: A randomized controlled efficacy trial of a self-care intervention followed by an effectiveness study. *Circulation*. 128: A16489.
17. Moser, D. K., Dekker, R. L., Mudd-Martin, G. T., Chung, M. L., **Biddle, M.J.**, Bailey, A. L., Casey, B. R., Westneat, S., Rayens, M. K., Novak, M. J., & Lennie, T.A.(2013). Improving depressive symptoms among rural patients at high risk for cardiovascular disease in the most mentally distressed are in the country. *Circulation*. 128: A.16947.
18. Moser, D. K., Lennie, T. A., **Biddle, M. J.**, Mudd-Martin, G. T., Bailey, A. L., Casey, B. R., Frazier, S.K., & Novak, J., (2012). Cardiovascular risk profile of Appalachians living in an austere environment. *Circulation*, 126 (Suppl 21): A17267.
19. Moser, D.K., Pelter, M.M., Nesbitt,T., **Biddle, M.J.**, Robinson, S., Cooper, L. S., Southard, J., & Dracup,K. (2012). A Focused Heart Failure Self-Care Intervention Improves Self-Care Behavior Even in Patients with Global Cognitive Dysfunction. *Circulation*, 126(Suppl 21), A9598.
20. Dracup, K., Moser, D., Pelter, M., Nesbitt, T., Southard, J., Paul, S.M., **Biddle, M.J.**, Robinson, S.,Loranger, D., & Cooper, L. S. (2012). A Focused Heart Failure Self-Care Intervention Reduces Cardiac Deaths in Rural Patients. *Circulation*, 126(Suppl 21), A10687.
21. Chung, M. L., Lennie, T. A., Mudd-Martin, G. T., **Biddle, M.J.**, Casey, B. R., Bailey, A. L., Novak, J., Moser, D. K. (2012). Depressed rural residents are at high risk of cardiovascular disease. *Circulation*. 126(21 Supplement): A13046.
22. Mudd-Martin, G. T., Chung, M. L., Frazier, S. F., Lennie, T. A., **Biddle, M.J.**, Casey, B. R., Bailey, A. L., Novak, J., Moser, D. K. (2012). Family history of cardiovascular disease in a first degree relative is associated with high risk profile, but not healthier lifestyle. *Circulation*. 126 (21 Supplement): A19316.

23. Chung, M. L., Lennie, T. A., Mudd-Martin, G. T., Frazier, S. F., **Biddle, M.J.**, Casey, B. R., Bailey, A. L., Novak, J., Moser, D. K. (2012). Family caregivers have greater risk of depression and cardiovascular disease than non-caregivers in rural Kentucky. *Circulation*. 126 (21 Supplement): A9860.
24. Moser, D. K., Wu, J., Chung, M. L., **Biddle, M.J.**, Schooler, M., & Lennie, T. A. (2012). Randomized controlled trial of a biobehavioral intervention for depression in patients with heart failure. *Journal of Cardiac Failure*, 18(8), Suppl: S69.
25. Lee, K., Lennie, T. A., Chung, M. L., Westneat, S., **Biddle, M.J.**, Frazier, S. K., & Moser, D. K. (2012). Depressive symptoms as a mediator of the relationship between health-related quality of life and cardiac event-free survival in patients with heart failure. *Heart & Lung*, 41(4), 415.
26. Lennie TA, **Biddle M.J.**, Chung ML, Dunbar SB, Pressler SJ, Heo S, Song EK, Moser DK. (2011). Diets low in sodium and high in lycopene and omega-3 fatty acids are associated with lower symptom burden and better quality of life in patients with heart failure. *Circulation*. 124(Suppl.21): A10047
27. Moser DK, Pelter MM, Nesbitt T, Robinson S, **Biddle M.J.**, Cooper L, Dracup K. (2011). Which patients with heart failure have the poorest health literacy? *Circulation* .124(Suppl.21): A9157.
28. Wu, J., Lennie, T. A., Chung, M. L., Frazier, S. K., Dekker, R. D., **Biddle, M.J.**, & Moser, D. K., (2009). Medication adherence mediates the relationship between marital status and event-free survival in patients with heart failure. *Circulation*, 120(18 Suppl.), S516.
29. Moser, D. K., Wu, J., Chung, M. L., **Biddle, M. J.**, Dekker, R., & Lennie, T. A. (2009). What happens when heart failure patients don't know what they don't know. *Circulation*, 120(18 Suppl.), S449.
30. Huang TY, Moser DK, Hwang SL, Lennie TA, Chung ML, Wu JR, **Biddle M.J.**, Heo S. (2009). Psychosocial Factors moderate the relationship between clinical status and dyspnea in both Taiwanese and American heart failure patients. *Journal of Cardiac Failure*, 15, S120.
31. Huang, T. Y., Moser, D. K., Hwang, S. L., Hsieh, Y. S., Gau, B. S., Chiang, F. T., Lennie, T. A., Chung, M. L., **Biddle, M.J.**, & Heo, S. (2009). Symptoms and depression are predictors of health-related quality of life in both Taiwanese and American heart failure patients. The 2009 RCN International Nursing Research Conference Book of Abstracts, Nurse Researcher, 12.
32. Moser, D. K., Lennie, T. A., Wu, J. R., Heo, S., **Biddle, M.J.**, Corley, D., Kuiper, B., Roser, L., & Song, E. K. (2009). Comparison of patient-centered variables between patients with preserved and no-preserved ejection fraction. The 2009 RCN International Nursing Research Conference Book of Abstracts, Nurse Researcher, 58.
33. **Biddle, M.J.**; Payne-Emerson, H; Heo, S; Song, E; Lennie, TA; Dunbar, S; Pressler, SJ; Kim, J; Moser, DK (2008). Lycopene Intake Predicts Event-Free Survival in Patients with Heart Failure. *Circulation*, 118, S920.
34. **Biddle, M J.**, Moser, D. K., Lennie, T. A., Chung, M. L. (2008). The association of perceived control to adherence in heart failure. *Journal of Cardiac Failure*, 14, S101.
35. Bentley, B., Moser, D.K., Lennie, T.A., Mutsch, K., & **Biddle, M. J.** (2007). Dietary sodium intervention in heart failure patients. *Progress in Cardiovascular Nursing*, 22, 113.
36. **Biddle, M.**, Moser, D. K., Lennie, T., & Chung, M. L. (2005). A comparison of functional status between healthy elders and elderly cardiac patients. Proceedings of the Southern Nursing Research Society, Atlanta, GA
37. Moser, D.K., Lennie, T. A., Worrall-Carter, L., Chung, M.L., & **Biddle, M.** (2004). Symptom variability, not severity, predicts rehospitalization in patients with heart failure. *Circulation*, 110(supplement), III-738

38. **Biddle, M.**, Moser, D. K., Chung, M., Trupp, R., Lennie, T. A., & Widener, J. (2003). Following a sodium restricted diet: Attitudes and barriers. *Journal of Cardiac Failure*, 9(supplement), S5.

PRESENTATIONS

International- Peer Reviewed

1. Moser, D.K., Dekker, R., Martin, G.M., **Biddle, M.J.**, Chung, M.L, Westneat, S., Rayens, M.K., Bailey, A., & Lennie, T.A. (2014). The HeartHealth trial: improving depressive symptoms and cardiovascular disease risk in the most physically and mentally unhealthy area in the United States. *European Heart Journal*, 35 (Abstract Supplement), 905.DOI: 10.1093/eurheartj/ehu326
2. Lennie, T.A. Chung, M.L., **Biddle, M. J.**, Mudd-Martin, G., Bailey, A., Casey, B., Westneat, S., Novak, M.J., & Moser, D. K. (2014). Financial status is related to following a heart healthy diet in rural adults with multiple cardiovascular risk factors. *European Journal of Cardiovascular Nursing*, 13(S1), S57.
3. Chung, M.L., Moser, D. K., **Biddle, M. J.**, Mudd-Martin. G., Bailey, A., Casey, B., Novak, M.J., & Lennie, T.A. (2014). Rural residents with heart failure had poor heart healthy diets. *European Journal of Cardiovascular Nursing*, 13(S1), S50.
4. **Biddle, M.J.** (November 2011). Promoting Cardiovascular Risk Reduction with Activity, 12th Annual Interdisciplinary Research Conference, Trinity College, Dublin, Ireland.

National- Peer Reviewed (** my student's scholarship)

1. **King, S., **Biddle, M.J.**, *Don't Just Check the Box, Check your Athlete's Heart: Adding a 12-Lead ECG to Pre-Participation Screening to Identify High Risk of Sudden Cardiac Arrest in Male High School Athletes*. Nursing Education Research Conference, March 2020, Washington DC.
2. **Biddle, M.J.**, Cardiovascular Health Policy Summit, invited panelist, Washington DC, May 16th, 2019.
3. **Taylor, E., Halcomb, P., Higgins, J., Casey, S., & **Biddle, M.** (2019). Jackson/Cubbin Pressure Risk Assessment Tool in Adult Critically Ill Trauma-Surgical Population. National Association of Clinical Nurse Specialists Annual Meeting, Orlando Fla.
4. **Biddle, M.J.**, (November 2017). Dietary Patterns, Sources of Nutrients, and Safety Concerns. American Heart Association's Annual Scientific Sessions, Anaheim CA.
5. **Biddle, M.J.**, (September 2016). Dietary Antioxidants in Heart Failure. Heart Failure Society of American Annual Scientific Meeting, Orlando Fla.
6. **Kang, J., **Biddle, M.J.**, Lennie, T.A., Moser, D.K., Behavioral Counseling Promotes Diet Quality and Reduces Cardiovascular Risk Factors in Residents of Rural Appalachia, Sigma Theta Tau International Leadership Connection 2016, Indianapolis, IN
7. Jicha G, Murphy R, **Biddle, M.J.**, Moser D. (2015). HeartHealth intervention reduces cognitive decline in mild cognitive impairment of the cerebrovascular type: a randomized, placebo-controlled clinical trial. *Neurology*, 84 (supplement 14), I9-3A.
8. **Biddle, M.J.** (September 2015) Early Career Clinician/Scientist in HF. Heart Failure Society of America Annual Scientific Meeting, Washington DC.

9. Dekker, R.L., Ashford, K. B., Lennie, T.A., Chung, M. L., **Biddle, MJ**, Mudd-Martin, G., Bailey, A.L., & Moser, D.K. (2014). Elevated cardiovascular risk factors among Appalachian women with a history of pregnancy complications. *Circulation*, 130 (22), Supple 2: A13901.
10. Moser, D.K., Martin, G.M., **Biddle, M.J.**, Chung, M.L, Rayens, M.K., Bailey, A., & Lennie, T.A. (2014). The HeartHealth trial: improving depressive symptoms and cardiovascular disease risk in the most physically and mentally unhealthy area in the United States. *European Heart Journal*, 35 (Abstract Supplement), 905.DOI: 10.1093/eurheartj/ehu326.
11. Lennie, T.A. Chung, M.L., **Biddle, M. J.**, Mudd-Martin, G., Bailey, A., Casey, B., Westneat, S., Novak, M.J., & Moser, D. K. (2014). Financial status is related to following a heart healthy diet in rural adults with multiple cardiovascular risk factors. *European Journal of Cardiovascular Nursing*, 13(S1), S57.
12. **Biddle, M.J.**, (November 2012) Reaching Rural Populations. American Heart Association Annual Scientific Sessions, Los Angeles, CA.
13. Chung, M.L., Moser, D. K., **Biddle, M. J.**, Mudd-Martin. G., Bailey, A., Casey, B., Novak, M.J., & Lennie, T.A. (2014). Rural residents with heart failure had poor heart healthy diets. *European Journal of Cardiovascular Nursing*, 13(S1), S50.
14. **Biddle, M.J.** (May 2004). Cardiovascular Outcome Measurements of a Cardiac Rehabilitation Program: Meeting National Objectives in a Rural Community Setting. AHA 5th Scientific Forum on Quality of Care and Outcomes Research in Cardiovascular Disease and Stroke, Washington, DC.

Regional/Local- Invited

1. ****Derringer, J., Biddle, M.J.** (2021) Stress Reduction Education Among Farm and Rural Populations: A Systematic Review. 4/2021, UK CCTS CON Student Scholarship Showcase, Lexington, KY.
2. ****King, Shannon, Biddle, M.J.** (2020). Don't Just Check the Box, Check Your Athlete's Heart. 4/2020 UK CCTS Student Scholarship Showcase, Lexington, KY.
3. ****Riley, T., Halcomb, P., Howard, P.K., Hardin-Pierce, M., Higgins, J., Biddle, M.J.** *A Modified Screening Tool to Evaluate Risk of 72-Hour Unanticipated Return Visits to the Emergency Department.* Student Scholarship Showcase, 4/2019, UK CCTS Student Scholarship Showcase, Lexington, KY.
4. Student Scholarship Showcase, 4/2019, UK CCTS Student Scholarship Showcase, Lexington, KY.
5. ****Webb, K., Kang, J., Biddle, M.J.,** *Gender Differences in Determining Cardiovascular Disease Risk.* Student Scholarship Showcase, 4/2018, UK CCTS Student Scholarship Showcase, Lexington, KY.
6. ****Goe, C., Biddle, M.J., Hardin-Pierce, M., Drumm, J.,** *Evaluation of a Critical-Care Pain Observation Tool, A Quality Initiative.* Student Scholarship Showcase, 4/2018, UK CCTS Student Scholarship Showcase, Lexington, KY.
7. ****Kang, J., Biddle, M.J., Lennie, T.A., Moser, D.K.** *Diet Quality in Patients with Heart Failure: Age and Sex-matched Comparative Study*, 2018 Southern Nursing Research Society, Atlanta, GA
8. **Biddle, M.J.** (December 2015) Heart Failure and Valve Strategies for Clinical Application; Motivating Change: A Blueprint for Patients with Heart Failure, American College of Cardiology, Lexington, Ky.
9. **Biddle, M.J.** (October 2015) Secondary Prevention: Key Ingredients, Preventive Cardiovascular Nurses Association- Central Kentucky Chapter, Lexington Ky.
10. **Biddle, M.J.** (October 2010). Lycopene and Inflammation in Patients with Heart Failure, Sigma Theta Tau Delta PSI Scholarship Meeting, Lexington Ky.
11. **Biddle, M.J.** (April 2009). Lycopene Dietary Intervention study, UK College of Nursing Scholarship Showcase, Lexington Ky.
12. **Biddle, M.J.** (June 2008). The Association of Perceived Control to Adherence in Heart Failure, Clinical and Translational Science Spring Conference. Lexington, Ky.
13. **Biddle, M.J.,** (February 2005). Prevention of Heart Failure, 3rd Annual Cardiovascular Update, Lexington, Ky.

14. **Biddle, M.J.**, (October 2004). Cardiovascular Outcome Measurements of a Cardiac Rehabilitation Program: Meeting National Objectives in a Rural Community Setting, Gill Heart Institute Research Day, Lexington Ky.
15. **Biddle, M.J.** (February 2004). Improving Outcomes in Patients with Heart Disease, 2nd Annual Cardiovascular Update, Lexington, Ky.

PROFESSIONAL MEMBERSHIPS

2015- present	American Nurses Association and Kentucky Nurses Association
2008 - present	Sigma Theta Tau International Honor Society
2004 – 2018	American Association of Heart Failure Nurses
2021- present	American Association of Occupational Health Nurses
2002 - present	American Heart Association, Council on Cardiovascular and Stroke Nursing
2002 - 2020	Heart Failure Society of America
2002 - present	American Association of Critical Care Nurses
2002 - present	National Association of Clinical Nurse Specialist

SERVICE

Professional

RICH Writing Institute Annual Event

2017, 2018, 2021-virtual Consultant and Faculty member

Preventive Cardiovascular Nursing Association

2015- 2018 Founding President, Central Kentucky Chapter

National Association of Clinical Nurse Specialists

2015-2017 Member, Practice Committee, Awards Committee

2017-2018 Program Planning committee, NACNS 2018 Annual Conference

Sigma Theta Tau International Honor Society for Nursing

2020-2022 North America Region 9 Committee, Awards & Recognition sub-committee- Co-chair

2019-2021 Sigma Award Judge, International Awards for Nursing Excellence

2011-2012 Member, Delta Psi Chapter, Scholarship & Awards Committee

2019-2021 President, Delta Psi Chapter, Sigma Theta Tau

American Association of Critical Nurses

2013 - 2014 Secretary, Bluegrass Chapter, AACN

2004 - 2006, 2010-2012 President, Bluegrass Chapter, AACN

2011 - 2012 Invited participant, ACNPC/CCNS Exam Development Committee

American Heart Association, Council on Cardiovascular and Stroke Nursing

2014 - 2016 Member, Communications and Membership Committee Chair, Liaison Subcommittee to JCN

2015 - 2017 Liaison, CVSN Council to the Nutrition Committee of the American Heart Association's Lifestyle and Cardiometabolic Health (LIFESTYLE) Council

2015 - 2018 Member, CLCD Exercise & Cardiac Rehab Committee

Heart Failure Society of America

2014 - 2018 Co-Chair, Membership Committee

Manuscript Reviewer:

2004 - present	The Journal of Cardiovascular Nursing
2011 - present	The European Journal of Cardiovascular Nursing
2011 - present	The Journal of Cardiac Failure

2016 - present	Western Journal of Nursing Research
2016 - present	Clinical Nursing Research
2008, 2014, 16-20	Abstract reviewer, American Heart Association, Committee on Scientific Sessions Program
2015, 2016-19	Abstract reviewer, Heart Failure Society of American, Annual Scientific Meeting
2016	Abstract reviewer, American College of Cardiology, Annual Scientific Session
2017-2018	Abstract reviewer, National Association of Clinical Nurse Specialist Annual Conference

Academic Service at University of Kentucky

5/2020-2023	University Appeals Board, member (UK President appointed)
6/2019-2021	Delta Psi, STTI chapter, President
7/2019-2020	Faculty Search Committee, College of Nursing
7/2019-20	UK College of Nursing Graduate Scholarship Committee
2015- 2017	Health Care College Code of Student Professional Conduct (HCC Code) College of Nursing Faculty Representative (Provost Appointed)
2015- 2016	UKMC Academic-Clinical Partnership Engagement, Tele/Progressive Cardiovascular Nursing
2015- 2016	Innovation and Design Lab, eLII Committee, Faculty
2017-2018	Tenure Eligible Track Faculty Search Committee, STS Faculty
2017-2019	PATA, member
2017-2019	Chair, DNP Curriculum Committee, Track Coordinator member
2017-2019	Member, PhD Curriculum Committee

Service to the Public/Community

2009 – 2015	Member, The Kentucky Heart Disease and Stroke Prevention Task Force
2009 - 2010	Medical Team Leader & Protocol Committee member- FEI Alltech World Equestrian Games
2002 - 2009	Community Board Member, American Heart Association, Scott County