

Megan L. Neely

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EDUCATION **North Carolina State University**, Raleigh, NC
Ph.D., Statistics, 2011
Dissertation: Penalized Likelihood Analysis of Haplotype Effects
Advisors: Jung-Ying Tzeng, Ph.D. and Howard D. Bondell, Ph.D.

Clemson University, Clemson, SC
M.S., Mathematical Sciences, 2006
B.S., Mathematical Sciences, 2005

RESEARCH INTERESTS Variable Selection; Penalized Regression; Risk Prediction; Metrics of Model Performance; Biomarkers; Longitudinal Analysis; Latent Trajectories; Joint Modeling; Statistical Education

CURRENT POSITION 2011 – Present **Assistant Professor**
Department of Biostatistics and Bioinformatics
Duke University, Durham, NC
2016 – Present **Director of Graduate Studies**
Master of Biostatistics Program
Department of Biostatistics and Bioinformatics
Duke University, Durham, NC

PROFESSIONAL EXPERIENCE 2014 – 2016 **Associate Director of Graduate Studies**
PhD of Biostatistics Program
Department of Biostatistics and Bioinformatics
Duke University, Durham, NC
2013 – 2016 **Co-Director of Graduate Studies**
Master of Biostatistics Program
Department of Biostatistics and Bioinformatics
Duke University, Durham, NC
2010 – 2011 **Statistical Intern**
Clinical Trials SIGMA Group
Duke Clinical Research Institute, Durham, NC
2010 – 2011 **Teaching Assistant**
Department of Statistics
North Carolina State University, Raleigh, NC
2007 – 2010 **Adjunct Instructor**
Department of Math and Physics
Wake Tech Community College, Raleigh, NC
2004 – 2006 **Research Assistant**
The Reproductive Endocrinology and Infertility Clinic
Greenville Hospital University Medical Center, Greenville, SC
2005 – 2006 **Teaching Assistant**
Department of Mathematical Sciences
Clemson University, Clemson, SC

PROFESSIONAL ACTIVITIES 2015 – 2017 **PhD Qualifying Exam Committee**, Member
Chair of Analytic Component
Department of Biostatistics and Bioinformatics
Duke University, Durham, NC
Service

PROFESSIONAL ACTIVITIES <i>Service</i> (CONTINUED)	2013 – Present	PhD Admissions Committee , Member Department of Biostatistics and Bioinformatics Duke University, Durham, NC
	2012 – Present	Master’s Qualifying Exam Committee , Chair Department of Biostatistics and Bioinformatics Duke University, Durham, NC
	2012 – Present	Master’s Admissions Committee , Chair Department of Biostatistics and Bioinformatics Duke University, Durham, NC
	2009 – 2010	Student Seminar Series , Chair Department of Statistics North Carolina State University, Raleigh, NC
	2008 – 2010	Qualifying Exam Prep Camp , Leader Department of Statistics North Carolina State University, Raleigh, NC
	2008 – 2009	Statistics Chapter of Graduate Student Association , President Department of Statistics North Carolina State University, Raleigh, NC
	2007 – 2008	Statistics Chapter of Graduate Student Association , Vice President Department of Statistics North Carolina State University, Raleigh, NC
	PROFESSIONAL ACTIVITIES <i>Editorial</i>	2012 – Present
2012 – 2014		Statistical Editor Journal of the American College of Cardiology Heart Failure
PROFESSIONAL ACTIVITIES <i>Memberships</i>	2011 – Present	Eastern North American Region of the International Biometric Society (ENAR)
	2006 – Present	American Statistical Association (ASA)
HONORS AND AWARDS	May 2017	Gordon G. Hammes Faculty Teaching Award , Winner School of Medicine Duke University, Durham, NC
	May 2016	Gordon G. Hammes Faculty Teaching Award , Distinguished Nominee School of Medicine Duke University, Durham, NC
	May 2009	Gertrude M. Cox Award , Outstanding PhD Candidate Department of Statistics North Carolina State University, Raleigh, NC
	Aug 2006	NIH Fellowship , Biostatistics Training in the Omics Era (4 years) Department of Statistics North Carolina State University, Raleigh, NC
	May 2005	Faculty Scholarship Award , Highest Rank in the Graduating Class University-wide Clemson University, Clemson, SC
	May 2005	Summa Cum Laude Graduate Bachelors Degree Clemson University, Clemson, SC
	May 2005	Samuel Manner Martin Award , Outstanding Graduating Senior Department of Mathematical Sciences Clemson University, Clemson, SC

GRANTS	2016 – 2021	Boehringer Ingelheim Corporation (IPF-PRO & IPF-BIO) BING-10 (Palmer) Title: Prospective Multicenter U.S. Registry for Idiopathic Pulmonary Fibrosis Role: PhD Statistician
	2015 – 2017	NIH/Duke CTSA - Research Methodology Internal Award UL1-TR001117 (Boulevard) Title: Correcting for over-optimism in metrics of prognostic model improvement Role: Principal Investigator
	2014 – 2019	NIH/Clinical Trials in Organ Transplantation (CTOT) 5U01-AI113315 (Palmer) Title: The Lung Transplant Clinical Trials Network (LT-CTN) Role: PhD Statistician
TEACHING	2018 – Present	Statistical Inference for Data Science Bootcamp Summer semesters Prep course, Master of Interdisciplinary Data Science Program Duke University, Durham, NC
	2017 – Present	BIOSTAT 704: Introduction to Statistical Theory and Methods II Spring semesters Core course, Master of Biostatistics Program Duke University, Durham, NC
	2015 – Present	CRP 245: Introduction to Statistical Modeling Spring semesters Core course, Clinical Research Training Program Duke University, Durham, NC
	2013 – 2014	CRP 272: Statistical Programming for Data Management (R) Spring semesters Elective course, Clinical Research Training Program Duke University, Durham, NC
	2012 – Present	CRP 241: Introduction to Statistical Methods Fall semesters Core course, Clinical Research Training Program Duke University, Durham, NC
	2012 – 2016	BIOSTAT 722: Introduction to Statistical Programming II (SAS) Spring semesters Core course, Master of Biostatistics Program Duke University, Durham, NC
	2011 – Present	BIOSTAT 721: Introduction to Statistical Programming I (R) Fall semesters Core course, Master of Biostatistics Program Duke University, Durham, NC
	2010 – 2011	ST311: Introduction to Statistics Spring semester Undergraduate service course for Bachelor's Degree North Carolina State University, Raleigh, NC
	2007 – 2010	MAT 151: Statistics I & Lab Fall, Spring, Summer semesters Undergraduate service course for Associate's Degree Wake Tech Community College, Raleigh, NC
	2007 – 2008	MAT 171: Pre-Calculus Algebra & Lab Summer semester Undergraduate service course for Associate's Degree Wake Tech Community College, Raleigh, NC
2005 – 2006	MTHSC 106: Calculus of One Variable Fall, Spring semesters Undergraduate service course for Bachelor's Degree Clemson University, Clemson, SC	

MENTORING
Primary Advisor

- 2017 – Present **Rituparna B. Altner**
Thesis: *A comparison of DAPT, PRECISE-DAPT, and PARIS bleeding risk scores in patients with medically managed acute coronary syndrome.*
(Work in Progress)
Program: Master of Biostatistics
- 2016 – Present **Emily J. Almeida**
Thesis: *Cell-free DNA: A novel biomarker of acute rejection and chronic allograft dysfunction after lung transplantation.*
(Work in Progress)
Program: Master of Biostatistics
- 2016 – 2017 **Brianna A. Reyes, MB**
Thesis: *Investigating race-specific associations of metabolites with cardiovascular disease risk.*
Program: Master of Biostatistics
- 2016 – 2017 **Natalie R. Rich, MB**
Thesis: *The impact of neurological function on post-operative myelomeningocele wound complications.*
Program: Master of Biostatistics
- 2015 – 2017 **Angie E. Wu, MB**
Thesis: *The effects of aerobic exercise training on health-related quality of life in ambulatory heart failure patients.*
Program: Master of Biostatistics
- 2015 – 2016 **Lanair A. Lett, MB**
Thesis: *Investigating race-specific associations of metabolites with cardiovascular disease risk.*
Program: Master of Biostatistics
- 2013 – 2014 **Lauren E. Howard, MB**
Thesis: *Identifying predictors of bone scan positivity in men with castrate-resistant prostate cancer: How to handle the cluster effects?*
Program: Master of Biostatistics
- 2013 – 2014 **Erica M. Wozniak, MB**
Thesis: *Evaluating the relationship between serial biomarker measurements and clinical outcomes: Predicting events using change over time versus most current value.*
Program: Master of Biostatistics
- 2013 – 2014 **Melinda F. Vergara, MB**
Thesis: *Association of a new type of interstitial pneumonia (BlueIP) and clinical outcomes in patients with idiopathic pulmonary fibrosis.*
Program: Master of Biostatistics

MENTORING
Committee Member

- 2017 – Present **Leigh Nicholl**
Thesis: *Examining the relationship between surgeon volume and patient outcomes for lateral neck dissection.*
Program: Masters of Biostatistics Program
- 2017 – Present **Jeremy Weber**
Thesis: *Transplant center variability in organ offer acceptance and subsequent recipient outcomes in lung transplantation.*
Program: Masters of Biostatistics Program
- 2017 – Present **Jing Lyu**
Thesis: *Power as a function of the number of steps in stepped wedge cluster randomized trials: A simulation study.*
Program: Masters of Biostatistics Program
- 2017 – Present **Fan Wen**
Thesis: *Building predictive models using medical claims data.*
Program: Masters of Biostatistics Program
- 2017 – Present **Laurel Jiang**
Thesis: *Correction of spatial effects of micro array data.*
Program: Masters of Biostatistics Program

- 2017 – Present **Jamie Todd, MD**
Thesis: *Cell Free DNA as a biomarker of acute rejection after lung transplantation.*
Program: Clinical Research Training Program
- 2017 – Present **Alex Fanaroff, MD**
Thesis: *IDays alive and out of hospital: Examining a patient-centered outcome for long-term secondary prevention ACS trials.*
Program: Clinical Research Training Program
- 2016 – 2017 **Jiewei Wu, MB**
Thesis: *Comparison of Methods for Recurrent Event Data Analysis.*
Program: Masters of Biostatistics Program
- 2016 – 2017 **Kristen Sanchez, MB**
Thesis: *Initial index diagnoses associated with inpatient admissions for spina bifida patients originally admitted to the emergency room.*
Program: Masters of Biostatistics Program
- 2016 – 2017 **Shalini Jha, MB**
Thesis: *Examining If Charlson Comorbidity Index (CCI) at the time of surgery is associated with mortality in prostate cancer (PC) patients.*
Program: Masters of Biostatistics Program
- 2015 – 2016 **Victor Poon, MB**
Thesis: *Differential effect of the DASH diet on nocturnal blood pressure by race and kidney function: A secondary analysis of results from the Dietary Approaches to Stop Hypertension (DASH) trial.*
Program: Masters of Biostatistics Program
- 2015 – Present **Ashwini Mallappa, MD**
Thesis: *Onset and natural history of testicular adrenal rest tumors in males with congenital adrenal hyperplasia (CAH).*
Program: Clinical Research Training Program
- 2015 – 2016 **Godefroy Chery, MHSc**
Thesis: *Impact of human leukocyte antigen (HLA) mismatching on lung transplants outcomes.*
Program: Clinical Research Training Program
- 2014 – 2015 **Wynn Hunter, MHSc**
Thesis: *Targeted metabolomics reveals a novel signature of metabolic dysregulation in heart failure with preserved ejection fraction.*
Program: Clinical Research Training Program
- 2014 – 2015 **Ilias Alevizos, MD, MHSc**
Thesis: *Humoral and cellular immune reactivity following adenoviral vector-mediated aquaporin-1cDNA transfer to human parotid glands.*
Program: Clinical Research Training Program
- 2014 – 2015 **Rachel Kozink, MB**
Thesis: *Evaluation of the effects of nicotine content in cigarettes on the stages of changes questionnaire: A comparison of longitudinal models.*
Program: Masters of Biostatistics Program
- 2014 – 2015 **Rui Duan, MB**
Thesis: *Latent class analysis on the effect of neighborhood socioeconomic and biological status on breast cancer survival.*
Program: Masters of Biostatistics Program
- 2013 – 2014 **Gina LaRocca, MD, MHSc**
Thesis: *The biomarker tissue inhibitor metalloproteinase-1 (TIMP-1) is a strong and independent predictor of all-cause mortality among patients with cardiovascular disease.*
Program: Clinical Research Training Program
- 2013 – 2014 **Matthew Sherwood, MD, MHSc**
Thesis: *Individual proton pump inhibitors and outcomes in patients with coronary artery disease on dual antiplatelet therapy: A systematic review.*
Program: Clinical Research Training Program

- 2013 – present **Shannon Whirledge**, MD, MHSc
Thesis: *Generating diversity in human glucocorticoid receptor signaling through a novel polymorphism in the beta isoform.* (Work in Progress)
Program: Clinical Research Training Program
- 2012 – 2014 **Sharif Halim**, MD, MHSc
Thesis: *Simultaneous consideration of multiple candidate protein biomarkers for long-term risk of cardiovascular events.*
Program: Clinical Research Training Program
- 2012 – 2013 **Aro Nam**, MB
Thesis: *Methods and applications for clustered data by sites in subject and hospital levels.*
Program: Masters of Biostatistics Program

PRESENTATIONS
Invited

- Aug 2018 *Introduction to clinical trials: Randomization, sample size, conduct of trials, and the intent-to-treat principle*
Neely ML; Pieper KS
Talk, Summer Institute in Biostatistics (SIBS)
Raleigh, NC, USA
- Apr 2018 *Novel Methods for Evaluating Prediction Model Performance*
Neely ML
Talk, 9th Annual CTOT Mechanistic Studies in Transplantation Workshop
Bethesda, MD, USA
- Sep 2014 *Combined Measures of Diagnostic Model Performance Helpful or Misleading?*
Neely ML; Pencina MJ
Talk, ASA Biopharmaceutical Section FDA-Industry Statistics Workshop,
Washington DC, USA

PRESENTATIONS
Contributed

- Aug 2013 *Teaching Statistics Using R and a Flipped Classroom.*
Neely ML
Round Table, Joint Statistical Meetings
Montreal, Quebec, Canada
- Apr 2012 *A Penalized Likelihood Approach for Pharmacogenetic Studies via Understanding Haplotype Effect Structures for Gene and Gene-Drug Interactions.*
Neely ML; Tzeng JY; Bondell HD
Talk, ENAR Spring Meeting,
- Aug 2011 *Comprehending Gene-Based Association Signals: A Penalized Regression Approach for Haplotype-Based Analysis with Application in Pharmacogenetic Studies and Individualized Medicine.*
Neely ML; Tzeng JY; Bondell HD
Talk, Joint Statistical Meetings
Miami Beach, FL, USA
- Aug 2009 *Haplotype-Based Analysis in Case-Control Studies via Penalized Likelihood: Prospective vs. Retrospective Analysis.*
Neely ML; Tzeng JY; Bondell HD
Talk, Joint Statistical Meetings
Washington DC, USA

PUBLICATIONS
*Statistical
Methodology*

- [1] **Neely ML**, Bondell HD, Tzeng JY. (2015). A penalized likelihood approach for investigating gene-drug interactions in pharmacogenetic studies. *Biometrics*; 71(2):529-37.
DOI: 10.1111/biom.12259. PubMed PMID: 25604216.
- [2] Wang Z, Maity A, Luo Y, **Neely ML**, Tzeng JY. (2015). Complete effect-profile assessment in association studies with multiple genetic and multiple environmental factors. *Genet Epidemiol*; 39(2):122-33.
DOI 10.1002/gepi.21877. PubMed PMID: 25538034

PUBLICATIONS
*Statistical
Methodology*
(CONTINUED)

- [3] Pongpanich M, **Neely ML**, Tzeng JY. (2011). On the Aggregation of Multimarker Information for Marker-Set and Sequencing Data Analysis: Genotype Collapsing vs Similarity Collapsing. *Front Genet*; 2:110.
DOI: 10.3389/fgene.2011.00110. PubMed PMID: 22303404.
- [4] **Koehler ML**, Bondell HD, Tzeng JY. (2010). Evaluating haplotype effects in case-control studies via penalized-likelihood approaches: prospective or retrospective analysis? *Genet Epidemiol*; 34(8):892-911.
DOI: 10.1002/gepi.20545. PubMed PMID: 21104891.

PUBLICATIONS
*Statistical
Education*

- [1] Samsa G, **Neely ML**. (2017). Two questions about the analysis and interpretation of randomised trials. *Int J Hyperthermia*; 1-4.
DOI: 10.1080/02656736.2017.1385861. PubMed PMID: 28954558.
- [2] Schwartz TA, Andridge RR, Sainani KL, Stangl DK, **Neely ML**. (2016). Diverse perspectives on a flipped biostatistics classroom. *Journal of Statistics Education*; 24:2, 74-84.
DOI: 10.1080/10691898.2016.1192362.

PUBLICATIONS
*Collaborative
Research*

- [1] Moss HA, Berchuck A, **Neely ML**, Myers ER, Havrilesky LJ. (2018). Estimating Cost-effectiveness of a Multimodal Ovarian Cancer Screening Program in the United States: Secondary Analysis of the UK Collaborative Trial of Ovarian Cancer Screening (UKCTOCS). *JAMA Oncol*; 4(2):190-195.
DOI:10.1001/jamaoncol.2017.4211. PubMed PMID: 29222541.
- [2] Alfredsson J, Neely B, **Neely ML**, Bhatt DL, Goodman SG, et al. (2017). Predicting the risk of bleeding during dual antiplatelet therapy after acute coronary syndromes. *Heart*; 103(15):1168-1176.
DOI: 10.1136/heartjnl-2016-310090. PubMed PMID: 28381584.
- [3] Lowenstern A, Storey RF, **Neely ML**, Sun JL, Angiolillo DJ, et al. (2017). Platelet-related biomarkers and their response to inhibition with aspirin and p2y₁₂/sub₁-receptor antagonists in patients with acute coronary syndrome. *J Thromb Thrombolysis*; 44(2):145-153.
DOI: 10.1007/s11239-017-1516-y. PubMed PMID: 28608165.
- [4] Chan MY, **Neely ML**, Roe MT, Goodman SG, Erlinge D, et al. (2017). Temporal Biomarker Profiling Reveals Longitudinal Changes in Risk of Death or Myocardial Infarction in Non-ST-Segment Elevation Acute Coronary Syndrome. *Clin Chem*; 63(7):1214-1226.
DOI: 10.1373/clinchem.2016.265272. PubMed PMID: 28515099.
- [5] Wang A, Kwee LC, Grass E, **Neely ML**, Gregory SG, et al. (2017). Whole blood sequencing reveals circulating microRNA associations with high-risk traits in non-ST-segment elevation acute coronary syndrome. *Atherosclerosis*; 261:19-25.
DOI: 10.1016/j.atherosclerosis.2017.03.041. PubMed PMID: 28437675.
- [6] Abou-Donia MB, Conboy LA, Kokkotou E, Jacobson E, Elmasry EM, Elkafrawy P, **Neely ML** et al. (2017). Screening for novel central nervous system biomarkers in veterans with Gulf War Illness. *Neurotoxicol Teratol*; 61:36-46.
DOI: 10.1016/j.ntt.2017.03.002. PubMed PMID: 28286177.
- [7] Hess CN, Clare RM, **Neely ML**, Tricoci P, Mahaffey KW, et al. (2017). Differential occurrence, profile, and impact of first recurrent cardiovascular events after an acute coronary syndrome. *Am Heart J*; 187:194-203.
DOI: 10.1016/j.ahj.2017.01.016. PubMed PMID: 28454804.
- [8] Goldstein SA, Newby LK, Cyr DD, **Neely ML**, Lscher TF, et al. (2017). Relationship Between Peak Troponin Values and Long-Term Ischemic Events Among Medically Managed Patients With Acute Coronary Syndromes. *J Am Heart Assoc*; 6(4).
DOI: 10.1161/JAHA.116.005334. PubMed PMID: 28400368.
- [9] Vock DM, Durham MT, Tsuang WM, Finlen Copeland CA, Tsiatis AA, Davidian M, **Neely ML** et al. (2017). Survival Benefit of Lung Transplantation in the Modern Era of Lung Allocation. *Ann Am Thorac Soc*; 14(2):172-181.
DOI: 10.1513/AnnalsATS.201606-507OC. PubMed PMID: 27779905

- [10] Melloni C, Cornel JH, Hafley G, **Neely ML**, Clemmensen P, et al. (2016). Impact of chronic kidney disease on long-term ischemic and bleeding outcomes in medically managed patients with acute coronary syndromes: Insights from the TRILOGY ACS Trial. *Eur Heart J Acute Cardiovasc Car*; 5(6):443-454. DOI: 10.1177/2048872615598631. PubMed PMID: 26228448.
- [11] Jackson LR 2nd, Piccini JP, Cyr DD, Roe MT, **Neely ML**, et al. (2016). Dual Antiplatelet Therapy and Outcomes in Patients With Atrial Fibrillation and Acute Coronary Syndromes Managed Medically Without Revascularization: Insights From the TRILOGY ACS Trial. *Clin Cardiol*; 39(9):497-506. DOI: 10.1002/clc.22562. PubMed PMID: 27468086.
- [12] Hagstrm E, Roe MT, Hafley G, **Neely ML**, Sidhu MS, et al. (2016). Association Between Very Low Levels of High-Density Lipoprotein Cholesterol and Long-term Outcomes of Patients With Acute Coronary Syndrome Treated Without Revascularization: Insights From the TRILOGY ACS Trial. *Clin Cardiol*; 39(6):329-37. DOI: 10.1002/clc.22533. PubMed PMID: 27177240.
- [13] Chin CT, Boden WE, Roe MT, Neely B, **Neely ML**, et al. (2016). Effect of prior clopidogrel use on outcomes in medically managed acute coronary syndrome patients. *Heart*; 102(15):1221-9. DOI:10.1136/heartjnl-2015-308840. PubMed PMID: 27030601.
- [14] Lopes RD, Leonardi S, Neely B, **Neely ML**, Ohman EM, et al. (2016). Spontaneous MI After Non-ST-Segment Elevation Acute Coronary Syndrome Managed Without Revascularization: The TRILOGY ACS Trial. *J Am Coll Cardiol*; 67(11):1289-97. DOI:10.1016/j.jacc.2016.01.034. PubMed PMID: 26988949.
- [15] Doll JA, **Neely ML**, Roe MT, Armstrong PW, White HD, et al. (2016). Impact of CYP2C19 Metabolizer Status on Patients With ACS Treated With Prasugrel Versus Clopidogrel. *J Am Coll Cardiol*; 67(8):936-47. DOI:10.1016/j.jacc.2015.12.036. PubMed PMID: 26916483.
- [16] Boyden TF, Joynt KE, McCoy L, **Neely ML**, Cavender MA, et al. (2015). Collaborative quality improvement vs public reporting for percutaneous coronary intervention: A comparison of percutaneous coronary intervention in New York vs Michigan. *Am Heart J*; 170(6):1227-33. DOI:10.1016/j.ahj.2015.09.006. PubMed PMID: 26678645.
- [17] Clemmensen P, Roe MT, Hochman JS, Cyr DD, **Neely ML**, et al. (2015). Long-term outcomes for women versus men with unstable angina/non-ST-segment elevation myocardial infarction managed medically without revascularization: insights from the Targeted platelet Inhibition to cLarify the Optimal strateGy to medically manage Acute Coronary Syndromes trial. *Am Heart J*; 170(4):695-705.e5. DOI:10.1016/j.ahj.2015.06.011. PubMed PMID: 26386793.
- [18] Khan R, Lopes RD, **Neely ML**, Stevens SR, Harrington RA, Diaz R, Cools F, Jansky P, Montalescot G, Atar D, Lopez-Sendon J, Flather M, Liaw D, Wallentin L, Alexander JH, Goodman SG. (2015). Characterising and predicting bleeding in high-risk patients with an acute coronary syndrome. *Heart* 101(18):1475-84. DOI:10.1136/heartjnl-2014-307346. PubMed PMID: 26109589.
- [19] Hess CN, James S, Lopes RD, Wojdyla DM, **Neely ML**, Liaw D, Hagstrom E, Bhatt DL, Husted S, Goodman SG, Lewis BS, Verheugt FWA, De Caterina R, Ogawa H, Wallentin L, Alexander JH. (2015). Apixaban Plus Mono Versus Dual Antiplatelet Therapy in Acute Coronary Syndromes: Insights From the APPRAISE-2 Trial. *J Am Coll Cardiol*; 66(7):777-87. DOI:10.1016/j.jacc.2015.06.027. PubMed PMID: 26271059.
- [20] Testoni D, Hornik CP, **Neely ML**, Yang Q, McMahon AW, Clark RH, Smith PB. (2015). Safety of octreotide in hospitalized infants. *Early Hum Dev*; 91(7):387-92. DOI:10.1016/j.earlhumdev.2015.04.008. PubMed PMID: 25968047.
- [21] Vedin O, Hagstrm E, Gallup D, **Neely ML**, Stewart R, Koenig W, Budaj A, Sritara P, Wallentin L, White HD, Held C. (2015). Periodontal disease in patients with chronic coronary heart disease: Prevalence and association with cardiovascular risk factors. *Eur J Prev Cardiol*; 22(6):771-8. DOI: 10.1177/2047487314530660. PubMed PMID: 24721691.

- [22] Aragam KG, Dai D, **Neely ML**, Bhatt DL, Roe MT, Rumsfeld JS, Gurm HS. (2015). Gaps in referral to cardiac rehabilitation of patients undergoing percutaneous coronary intervention in the United States. *J Am Coll Cardiol*; 65(19):2079-88.
DOI:10.1016/j.jacc.2015.02.063. PubMed PMID: 25975470.
- [23] Joynt KE, Bhatt DL, Schwamm LH, Xian Y, Heidenreich PA, Fonarow GC, Smith EE, **Neely ML**, Grau-Sepulveda MV, Hernandez AF. (2015). Lack of impact of electronic health records on quality of care and outcomes for ischemic stroke. *J Am Coll Cardiol*; 65(18):1964-72.
DOI:10.1016/j.jacc.2015.02.059. PubMed PMID: 25953748.
- [24] Cornel JH, Lopes RD, James S, Stevens SR, **Neely ML**, Liaw D, Miller J, Mohan P, Amerena J, Raev D, Huo Y, Urina-Triana M, Cazorla AG, Vinereanu D, Fridrich V, Harrington RA, Wallentin L, Alexander JH. (2015). Anticoagulant therapy and outcomes in patients with prior or acute heart failure and acute coronary syndromes: Insights from the APixaban for PREvention of Acute ISchemic Events 2 trial. *Am Heart J*; 169(4):531-8.
DOI:10.1016/j.ahj.2014.12.022. PubMed PMID: 25819860.
- [25] Hess CN, Peterson ED, **Neely ML**, Dai D, Hillegeass WB, Krucoff MW, Kutcher MA, Messenger JC, Pancholy S, Piana RN, Rao SV. (2015). Response to letter regarding the article "The learning curve for transradial percutaneous coronary intervention among operators in the United States: a study from the National Cardiovascular Data Registry". *Circulation*; 131(8):e358.
DOI: 10.1161/CIRCULATIONAHA.114.013278. PubMed PMID: 25712065.
- [26] Halim SA, **Neely ML**, Pieper KS, Shah SH, Kraus WE, Hauser ER, Califf RM, Granger CB, Newby LK. (2015). Simultaneous consideration of multiple candidate protein biomarkers for long-term risk for cardiovascular events. *Circ Cardiovasc Genet*; 8(1):168-77.
DOI: 10.1161/CIRCGENETICS.113.000490. PubMed PMID: 25422398.
- [27] Roy A, Roe MT, **Neely ML**, Cyr DD, Zamoryakhin D, Fox KAA, White HD, Armstrong PW, Ohman EM, Prabhakaran D. (2015). Impact of Human Development Index on the profile and outcomes of patients with acute coronary syndrome. *Heart*; 101(4):279-86.
DOI: 10.1136/heartjnl-2014-306389. PubMed PMID: 25538134.
- [28] Hess CN, Rao SV, McCoy LA, **Neely ML**, Singh M, Spertus JA, Krone RJ, Weaver WD, Peterson ED. (2015). Identification of hospital outliers in bleeding complications after percutaneous coronary intervention. *Circ Cardiovasc Qual Outcomes*; 8(1):15-22.
DOI: 10.1161/CIRCOUTCOMES.113.000749. PubMed PMID: 25424242.
- [29] Aronow HD, Gurm HS, Blankenship JC, Czeisler CA, Wang TY, McCoy LA, **Neely ML**, Spertus JA. (2015). Middle-of-the-night percutaneous coronary intervention and its association with percutaneous coronary intervention outcomes performed the following day: an analysis from the National Cardiovascular Data Registry. *JACC Cardiovasc Interv*; 8(1PA):49-56.
DOI: 10.1016/j.jcin.2014.08.010. PubMed PMID: 25616817.
- [30] Prabhakaran S, Fonarow GC, Smith EE, Liang L, Xian Y, **Neely ML**, Peterson ED, Schwamm LH. (2014). Hospital case volume is associated with mortality in patients hospitalized with subarachnoid hemorrhage. *Neurosurgery*; 75(5):500-8.
DOI: 10.1227/NEU.0000000000000475. PubMed PMID: 24979097.
- [31] Cheng RK, Cox M, **Neely ML**, Heidenreich PA, Bhatt DL, Eapen ZJ, Hernandez AF, Butler J, Yancy CW, Fonarow GC. (2014). Outcomes in patients with heart failure with preserved, borderline, and reduced ejection fraction in the Medicare population. *Am Heart J*; 168(5):721-30.
DOI: 10.1016/j.ahj.2014.07.008. PubMed PMID: 25440801.
- [32] Vivo RP, Krim SR, Liang L, **Neely ML**, Hernandez AF, Eapen ZJ, Peterson ED, Bhatt DL, Heidenreich PA, Yancy CW, Fonarow GC. (2014). Short- and long-term rehospitalization and mortality for heart failure in 4 racial/ethnic populations. *J Am Heart Assoc*; 3(5):e001134.
DOI: 10.1161/JAHA.114.001134. PubMed PMID: 25324354.
- [33] Hess CN, Peterson ED, **Neely ML**, Dai D, Hillegeass WB, Krucoff MW, Kutcher MA, Messenger JC, Pancholy S, Piana RN, Rao SV. (2014). The learning curve for transradial percutaneous coronary intervention among operators in the United States: a study from the National Cardiovascular Data Registry. *Circulation*; 129(22):2277-86.
DOI: 10.1161/CIRCULATIONAHA.113.006356. PubMed PMID: 24756064.

- [34] Ahmad T, Fiuzat M, Neely B, **Neely ML**, Pencina MJ, Kraus WE, Zannad F, Whellan DJ, Donahue MP, Pina IL, Adams KF, Kitzman DW, O'Connor CM, Felker GM. (2014). Biomarkers of myocardial stress and fibrosis as predictors of mode of death in patients with chronic heart failure. *JACC Heart Fail*; 2(3):260-8. DOI:10.1016/j.jchf.2013.12.004. PubMed PMID: 24952693.
- [35] Hess CN, Rao SV, Dai D, **Neely ML**, Piana RN, Messenger JC, Peterson ED. (2014). Predicting target vessel revascularization in older patients undergoing percutaneous coronary intervention in the drug-eluting stent era. *Am Heart J*; 167(4):576-584.e2. DOI: 10.1016/j.ahj.2013.12.017. PubMed PMID: 24655708.
- [36] Hawkins BM, McCoy LA, **Neely ML**, Adusumalli S, Messenger JC, Drachman DE, Bass TA, O'Gara PT, Rao SV, Yeh RW. (2014). Impact of academic year timing on percutaneous coronary intervention outcomes at training institutions. *J Am Coll Cardiol*; 63(10):1025-6. DOI:10.1016/j.jacc.2013.11.019. PubMed PMID: 24333492.
- [37] Ahmad T, Fiuzat M, Mark DB, Neely B, **Neely M**, Kraus WE, Kitzman DW, Whellan DJ, Donahue M, Zannad F, Pina IL, Adams K, O'Connor CM, Felker GM. (2014). The effects of exercise on cardiovascular biomarkers in patients with chronic heart failure. *Am Heart J*; 167(2):193-202.e1. DOI: 10.1016/j.ahj.2013.10.018. PubMed PMID: 24439980; NIHMSID: NIHMS537812; PubMed Central PMCID: PMC3899586.
- [38] Fiuzat M, Schulte PJ, Felker M, Ahmad T, **Neely M**, Adams KF, Donahue MP, Kraus WE, Pina IL, Whellan DJ, O'Connor CM. (2014). Relationship between galectin-3 levels and mineralocorticoid receptor antagonist use in heart failure: analysis from HF-ACTION. *J Card Fail*; 20(1):38-44. DOI:10.1016/j.cardfail.2013.11.011. PubMed PMID: 24304938.
- [39] Felker GM, Fiuzat M, Thompson V, Shaw LK, **Neely ML**, Adams KF, Whellan DJ, Donahue MP, Ahmad T, Kitzman DW, Pina IL, Zannad F, Kraus WE, O'Connor CM. (2013). Soluble ST2 in ambulatory patients with heart failure: Association with functional capacity and long-term outcomes. *Circ Heart Fail*; 6(6):1172-9. DOI: 10.1161/CIRCHEARTFAILURE.113.000207. PubMed PMID: 24103327.
- [40] Wang TY, McCoy LA, Messenger JC, **Neely ML**, Ho KK, Roe MT, Anderson HV. (2013). Cardiac biomarker measurement after elective percutaneous coronary interventions in older patients: insights from the National Cardiovascular Data Registry. *Am Heart J*; 166(5):927-34. DOI: 10.1016/j.ahj.2013.09.007. PubMed PMID: 24176450.
- [41] Leonardi S, Truffa AA, **Neely ML**, Tricoci P, White HD, Gibson CG, Wilson M, Stone GW, Harrington RA, Bhatt DL, Mahaffey KW. (2013). A novel approach to systematically implement the universal definition of myocardial infarction: insights from the CHAMPION PLATFORM trial. *Heart*; 99(17):1282-7. DOI: 10.1136/heartjnl-2012-303103. PubMed PMID: 23434768.
- [42] Payvar S, Kim S, Rao SV, Krone R, **Neely M**, Paladugu N, Daggubati R. (2013). In-hospital outcomes of percutaneous coronary interventions in extremely obese and normal-weight patients: findings from the NCDR (National Cardiovascular Data Registry). *J Am Coll Cardiol*; 62(8):692-6. DOI: 10.1016/j.jacc.2013.05.058. PubMed PMID: 23948513.
- [43] Fiuzat M, **Neely ML**, Starr AZ, Kraus WE, Felker GM, Donahue M, Adams k, Pina IL, Whellan D, O'Connor CM. (2013). Association between adrenergic receptor genotypes and beta-blocker dose in heart failure patients: analysis from the HF-ACTION DNA substudy. *Eur J Heart Fail*; 15(3):258-66. DOI: 10.1093/eurjhf/hfs175. PubMed PMID: 23115322.
- [44] Leonardi S, Thomas L, **Neely ML**, Tricoci P, Lopes RD, White HD, Armstrong PW, Giugliano RP, Antman EM, Califf RM, Newby LK, Mahaffey KW. (2012). Comparison of the prognosis of spontaneous and percutaneous coronary intervention-related myocardial infarction. *J Am Coll Cardiol*; 60(22):2296-304. DOI: 1016/j.jacc.2012.09.005. PubMed PMID: 23122801.

PUBLICATIONS
*Collaborative
Research*
(CONTINUED)

- [45] Gurbel PA, Erlinge D, Ohman EM, Neely B, **Neely M**, Goodman SG, Huber K, Chan MY, Cornel JH, Brown E, Zhou C, Jakubowski JA, White HD, Fox KAA, Prabhakaran D, Armstrong PW, Tantry US, Roe MT. (2012). Platelet function during extended prasugrel and clopidogrel therapy for patients with ACS treated without revascularization: the TRILOGY ACS platelet function substudy. *JAMA*; 308(17):1785-94.
DOI: 10.1001/jama.2012.17312. PubMed PMID: 23117779.
- [46] Parikh NI, Honeycutt EF, Roe MT, **Neely M**, Rosenthal EJ, Mittleman MA, Carrozza Jr JP, Ho KKL. (2012). Left and codominant coronary artery circulations are associated with higher in-hospital mortality among patients undergoing percutaneous coronary intervention for acute coronary syndromes: report From the National Cardiovascular Database Cath Percutaneous Coronary Intervention (CathPCI) Registry. *Circ Cardiovasc Qual Outcomes*; 5(6):775-82.
DOI: 10.1161/CIRCOUTCOMES.111.964593. PubMed PMID: 23110791.

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