BYRON C JAEGER

I am a biostastician and data scientist. I work in clinical trials such as SPRINT¹, LEAP², and MoTrPAC³. I'm the developer of aorsf⁴ and I host a free web application to view hypertension statistics for US adults⁵



EDUCATION

2017 2012

PhD, Biostatistics

University of North Carolina

• Chapel Hill, NC

 \cdot An R^2 statistic for linear and generalized linear mixed models

2012 2008

BS, Mathematics

Furman University

• Greenville SC

- Independent study with Dr. Tom Lewis: Enumerating graph depletions
- Independent study with Dr. Liz Bouzarth: Modeling muscle activity during training with the Tsunami Bar



ACADEMIC APPOINTMENTS

Current 2021

Assistant Professor of Biostatistics and Data Science

Wake Forest University School of Medicine

• Winston-Salem, NC

- · Continuity of research initiated at Birmingham
- · Design, management, and analysis of clinical trials
- Efficient software unifying oblique random forests

2021 2017

Assistant Professor of Biostatistics

University of Alabama at Birmingham

Pirmingham, AL

- · Applied research in hypertension, cardiovascular disease, and mechanical circulatory devices
- Statistical research in machine learning, missing data, and oblique random survival forests
- · Course director for Biostatistical sciences (BST) 680: Introduction to R

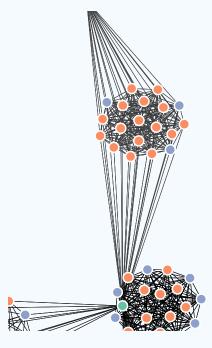
2017 2016

Adjunct Professor

North Carolina Central University

O Durham, NC

• Director of data science courses (DSC): DSC 2010 (Elementary Statistics), DSC 3020 (Statistical Analysis) and DSC 5020 (Quantitative Methods II for Master of Business Administration)



View this CV online with links at insert url

CONTACT

∑ bjaeger@wakehealth.edu

github.com/bcjaeger

∅ byronjaeger.com

LANGUAGE SKILLS

Made with the R package pagedown

The source code is available on github.

Last updated on 2024-09-02.

	F	PEER REVIEWED PUBLICATIONS	
2024		Accelerated and interpretable oblique random survival forests BC Jaeger, S Welden, K Lenoir, JL Speiser, MW Segar, A Pandey, Journal of Computational and Graphical Statistics. 33 (1), 192-207.	Citations: 6
2024		Feasibility of remote monitoring for fatal coronary heart disease using Apple Watch ECGs L Butler, A Ivanov, T Celik, I Karabayir, L Chinthala, MM Hudson, BC Jaeger, Cardiovascular Digital Health Journal.	Citations: 0
2024		Five-Year Cumulative Cardiovascular Health and Clinical Events in Patients With Chronic Kidney Disease: The CRIC Study Q Cao, Y Bi, F Alvarado, AH Anderson, KT Mills, BC Jaeger, J Chen, J He, Journal of the American Heart Association. 13 (10), e033001.	Citations: 0
2024		Machine learning models for predicting blood pressure phenotypes by combining multiple polygenic risk scores Y Hrytsenko, B Shea, M Elgart, N Kurniansyah, G Lyons, BC Jaeger, Scientific Reports. 14 (1), 12436.	Citations: o
2024		MagicalRsq-X: A cross-cohort transferable genotype imputation quality metric Q Sun, Y Yang, JD Rosen, J Chen, X Li, W Guan, MZ Jiang, BC Jaeger, The American Journal of Human Genetics. 111 (5), 990-995.	Citations: 0
2024		Predicted Cardiovascular Risk by the PREVENT Equations in US Adults With Stage 1 Hypertension P Muntner, BC Jaeger, K Foti, L Ghazi, JD Bundy, L Chen, MM Safford Hypertension. 81 (9), 1976-1985.	Citations: 0
2024		Progression of Coronary Artery Calcification and Risk of Clinical Events in CKD: The Chronic Renal Insufficiency Cohort Study L Tian, BC Jaeger, JJ Scialla, MJ Budoff, RC Mehta, BG Jaar, G Saab, American Journal of Kidney Diseases.	Citations: 0
2024		Race differences in ambulatory blood pressure monitoring parameters S Sakhuja, BC Jaeger, Y Yano, D Shimbo, CE Lewis, D Clark III, GS Tajeu,	Citations: o
2024		Social Determinants of Health and Incident Apparent Treatment-Resistant Hypertension Among White and Black US Adults: The REGARDS Study	Citations: 1
		OP Akinyelure, BC Jaeger , MM Safford, S Oparil, AP Carson, A Sims, <i>Journal of the American Heart Association</i> . 13 (10), e031695.	

2024		The Legacy Effect of Intensive versus Standard Blood Pressure Control on the Incidence of Dialysis or Kidney Transplantation NM Pajewski, S Beddhu, AP Bress, TI Chang, GM Chertow, BC Jaeger, Journal of the American Society of Nephrology. 10.1681.	Citations: o
2023		Analysis of cardiorespiratory fitness in early adulthood and midlife with all-cause mortality and fatal or nonfatal cardiovascular disease KP Gabriel, BC Jaeger, CE Lewis, S Sidney, EE Dooley, MR Carnethon, <i>JAMA network open.</i> 6 (2), e230842-e230842.	Citations: 15
2023		Hypertension statistics for US adults: An open-source web application for analysis and visualization of national health and nutrition examination survey data BC Jaeger, L Chen, K Foti, ST Hardy, AP Bress, SP Kane, L Huang, Hypertension. 80 (6), 1311-1320.	Citations: 18
2023	•	Outcomes of SARS-CoV-2 infection among patients with orthopaedic fracture surgery in the National COVID Cohort Collaborative (N3C) EB Levitt, DA Patch, MC Hess, A Terrero, BC Jaeger, MA Haendel, Injury. 54 (12), 111092.	Citations: 0
2023		Risk factors for 1-year allograft loss in pediatric heart transplant patients using machine learning: An analysis of the pediatric heart transplant society database BL Wisotzkey, BC Jaeger, A Asante-Korang, M Brickler, RS Cantor, Pediatric transplantation. 27 (8), e14612.	Citations: 1
2023		Social determinants of health and uncontrolled blood pressure in a national cohort of black and white US adults: the REGARDS study OP Akinyelure, BC Jaeger, S Oparil, AP Carson, MM Safford, G Howard, <i>Hypertension</i> . 80 (7), 1403-1413.	Citations: 21
2022		Age-specific prevalence and factors associated with normal blood pressure among US adults P Muntner, BC Jaeger, ST Hardy, K Foti, K Reynolds, PK Whelton, American Journal of Hypertension. 35 (4), 319-327.	Citations: 5
2022		Association between COVID-19 and mortality in hip fracture surgery in the national COVID cohort collaborative (N3C): a retrospective cohort study EB Levitt, DA Patch, S Mabry, A Terrero, BC Jaeger, MA Haendel, JAAOS Global Research & Reviews. 6 (1), e21.	Citations: 27
2022	•	Biomarkers as MEDiators of racial disparities in risk factors (BioMedioR): rationale, study design, and statistical considerations DL Long, B Guo, LA McClure, BC Jaeger, SE Tison, G Howard, SE Judd, Annals of epidemiology. 66, 13-19.	Citations: 11

2022	Blood pressure control among US adults, 2009 to 2012 through 2017 to 2020	Citations: 107
	P Muntner, MA Miles, BC Jaeger , L Hannon III, ST Hardy, Y Ostchega, <i>Hypertension</i> . 79 (9), 1971-1980.	
2022	Evaluating novel approaches for estimating awake and sleep blood pressure: design of the Better BP Study–a randomised, crossover trial	Citations: 0
	M Cepeda, D Hubbard, S Oparil, JE Schwartz, BC Jaeger , ST Hardy, <i>BMJ open.</i> 12 (6), e058140.	
2022	Factors associated with age-related declines in cardiorespiratory fitness from early adulthood through midlife: CARDIA	Citations: 7
	KP Gabriel, BC Jaeger , B Sternfeld, EE Dooley, MR Carnethon, <i>Medicine and science in sports and exercise</i> . 54 (7), 1147.	
2022	Impact of asleep and 24-hour blood pressure data on the prevalence of masked hypertension by race/ethnicity	Citations: 6
	Y Yano, B Poudel, L Chen, S Sakhuja, BC Jaeger , AJ Viera, D Shimbo, <i>American Journal of Hypertension</i> . 35 (7), 627-637.	
2022	Inflammation biomarkers and incident coronary heart disease: the Reasons for Geographic And Racial Differences in Stroke Study	Citations: 6
	OP Akinyelure, LD Colantonio, NS Chaudhary, BC Jaeger , SE Judd, <i>American Heart Journal</i> . 253, 39-47.	
2022	Influence of Subject-Specific Effects in Longitudinal Modelling of Cognitive Decline in Alzheimer's Disease	Citations: 0
	CF Murchison, BC Jaeger , JM Szychowski, GR Cutter, ED Roberson, Journal of Alzheimer's Disease. 87 (1), 489-501.	
2022	Longer-term all-cause and cardiovascular mortality with intensive blood pressure control: a secondary analysis of a randomized clinical trial	Citations: 41
	BC Jaeger , AP Bress, JD Bundy, AK Cheung, WC Cushman, PE Drawz, <i>JAMA cardiology</i> . 7 (11), 1138-1146.	
2022	Pooled cohort probability score for subclinical airflow obstruction SP Bhatt, PP Balte, JE Schwartz, BC Jaeger , PA Cassano, PH Chaves,	Citations: 4
	Annals of the American Thoracic Society. 19 (8), 1294-1304.	
2022	Potential impact of systematic and random errors in blood pressure measurement on the prevalence of high office blood pressure in the United States	Citations: 23
ı	S Sakhuja, BC Jaeger , OP Akinyelure, AP Bress, D Shimbo, JE Schwartz, <i>The Journal of Clinical Hypertension</i> . 24 (3), 263-270.	

2022	•	Predicted cardiovascular risk for United States adults with diabetes, chronic kidney disease, and at least 65 years of age BC Jaeger, S Sakhuja, ST Hardy, OP Akinyelure, JD Bundy, P Muntner, Journal of hypertension. 40 (1), 94-101.	Citations: 5
2022	•	Prevalence, risk factors, and cardiovascular disease outcomes associated with persistent blood pressure control: The Jackson Heart Study GS Tajeu, CL Colvin, ST Hardy, AP Bress, B Gaye, BC Jaeger,	Citations: 6
2022	•	Prolonged hospital length of stay after pediatric heart transplantation: A machine learning and logistic regression predictive model from the Pediatric Heart Transplant Society D Gupta, N Bansal, BC Jaeger, RC Cantor, D Koehl, AK Kimbro,	Citations: 9
2022		The Journal of Heart and Lung Transplantation. 41 (9), 1248-1257. Relation of abdominal obesity to risk of atrial fibrillation ⁶ J Kim, P Arora, SY Kwon, V Parcha, EB Levitan, BC Jaeger, EZ Soliman, The American Journal of Cardiology. 162, 116-121.	Citations: 4
2022		Risk prediction models for atherosclerotic cardiovascular disease in patients with chronic kidney disease: the CRIC study JD Bundy, M Rahman, K Matsushita, BC Jaeger, JB Cohen, J Chen, Journal of the American Society of Nephrology. 33 (3), 601-611.	Citations: 15
2022		Spike-and-slab least absolute shrinkage and selection operator generalized additive models and scalable algorithms for high-dimensional data analysis B Guo, BC Jaeger, AKMF Rahman, DL Long, N Yi Statistics in medicine. 41 (20), 3899-3914.	Citations: 3
2022		aorsf: An R package for supervised learning using the oblique random survival forest BC Jaeger, S Welden, K Lenoir, NM Pajewski Journal of Open Source Software. 7 (77), 4705.	Citations: 1
2021		Association between ambulatory blood pressure and coronary artery calcification: the JHS Y Zhang, JE Schwartz, BC Jaeger, J An, BK Bellows, D Clark III, Hypertension. 77 (6), 1886-1894.	Citations: 6
2021		Development and validation of machine learning-based race- specific models to predict 10-year risk of heart failure: a multicohort analysis MW Segar, BC Jaeger, KV Patel, V Nambi, CE Ndumele, A Correa,	Citations: 74
		Circulation. 143 (24), 2370-2383.	

2021	Development and validation of optimal phenomapping methods to estimate long-term atherosclerotic cardiovascular disease risk in patients with type 2 diabetes MW Segar, KV Patel, M Vaduganathan, MC Caughey, BC Jaeger, M Basit, Diabetologia. 64, 1583-1594.	Citations: 18
2021	Estimated prevalence of masked asleep hypertension in US adults S Li, JE Schwartz, D Shimbo, P Muntner, JM Shikany, JN Booth, BC Jaeger, JAMA cardiology. 6 (5), 568-573.	Citations: 19
2021	Frailty and post-hospitalization outcomes in patients with heart failure with preserved ejection fraction P Goyal, B Yum, P Navid, L Chen, DH Kim, J Roh, BC Jaeger, EB Levitan The American journal of cardiology. 148, 84-93.	Citations: 23
2021	Improving outcome predictions for patients receiving mechanical circulatory support by optimizing imputation of missing values BC Jaeger, R Cantor, V Sthanam, R Xie, JK Kirklin, R Rudraraju Circulation: Cardiovascular Quality and Outcomes. 14 (9), e007071.	Citations: 9
2021	Lifestyle behaviors among adults recommended for ambulatory blood pressure monitoring according to the 2017 ACC/AHA blood pressure guideline LP Cohen, D Hubbard, CL Colvin, BC Jaeger, B Poudel, M Abdalla, American Journal of Hypertension. 34 (11), 1181-1188.	Citations: 5
2021	Maintaining normal blood pressure across the life course: the JHS ST Hardy, S Sakhuja, BC Jaeger, S Oparil, OP Akinyelure, TM Spruill, Hypertension. 77 (5), 1490-1499.	Citations: 19
2021	Number and timing of ambulatory blood pressure monitoring measurements BC Jaeger, OP Akinyelure, S Sakhuja, JD Bundy, CE Lewis, Y Yano, Hypertension Research. 44 (12), 1578-1588.	Citations: 12
2021	Racial and ethnic differences in blood pressure among US adults, 1999–2018 ST Hardy, L Chen, AL Cherrington, N Moise, BC Jaeger, K Foti, S Sakhuja, Hypertension. 78 (6), 1730-1741.	Citations: 31
2021	Racial differences in blood pressure control following stroke: the REGARDS study OP Akinyelure, BC Jaeger, TL Moore, D Hubbard, S Oparil, VJ Howard, Stroke. 52 (12), 3944-3952.	Citations: 15
2021	Reasons for uncontrolled blood pressure among US adults: data from the US national health and nutrition examination survey S Sakhuja, CL Colvin, OP Akinyelure, BC Jaeger, K Foti, S Oparil, <i>Hypertension</i> . 78 (5), 1567-1576.	Citations: 15

2021	Resveratrol and exercise combined to treat functional limitations in late life: a pilot randomized controlled trial	Citations: 32
	SA Harper, JR Bassler, S Peramsetty, Y Yang, LM Roberts, BC Jaeger , Experimental gerontology. 143, 111111.	
2021	Subcortical short-term plasticity elicited by deep brain stimulation	
	MZ Awad, RJ Vaden, ZT Irwin, CL Gonzalez, S Black, BC Jaeger , Annals of clinical and translational neurology. 8 (5), 1010-1023.	Citations: 22
2021	Trends in blood pressure and hypertension among US children and adolescents, 1999-2018	Citations: 84
	ST Hardy, S Sakhuja, BC Jaeger , EM Urbina, SF Suglia, DI Feig, <i>JAMA network open.</i> 4 (4), e213917-e213917.	
2021	Twenty-five-year changes in office and ambulatory blood pressure: results from the coronary artery risk development in young adults (CARDIA) study	Citations: 6
	JD Bundy, BC Jaeger , MD Huffman, SS Knox, SJ Thomas, D Shimbo, American Journal of Hypertension. 34 (5), 494-503.	
2020	Association of sleep characteristics with nocturnal hypertension and nondipping blood pressure in the CARDIA study	Citations: 39
	SJ Thomas, JN Booth III, BC Jaeger , D Hubbard, S Sakhuja, M Abdalla, Journal of the American Heart Association. 9 (7), e015062.	
2020	Associations of awake and asleep blood pressure and blood pressure dipping with abnormalities of cardiac structure: the Coronary Artery Risk Development in Young Adults study	Citations: 19
	NA Bello, BC Jaeger , JN Booth III, M Abdalla, DE Anstey, DN Pugliese, <i>Journal of hypertension.</i> 38 (1), 102-110.	
2020	Cardiovascular health and transition from controlled blood pressure to apparent treatment resistant hypertension: the Jackson heart study and the REGARDS study	Citations: 10
	OP Akinyelure, S Sakhuja, CL Colvin, D Clark III, BC Jaeger , ST Hardy, <i>Hypertension</i> . 76 (6), 1953-1961.	
2020	Deep neural network analyses of spirometry for structural phenotyping of chronic obstructive pulmonary disease	Citations: 28
	S Bodduluri, A Nakhmani, JM Reinhardt, CG Wilson, BC Jaeger , <i>JCI insight</i> . 5 (13).	
2020	Development of predictive equations for nocturnal hypertension and nondipping systolic blood pressure	Citations: 14
	BC Jaeger , JN Booth III, M Butler, LJ Edwards, CE Lewis, Journal of the American Heart Association. 9 (2), e013696.	

	1	
2020	Factors associated with breast cancer screening behaviors in a sample of Jamaican women in 2013	Citations: 7
	N Balas, H Yun, BC Jaeger , M Aung, PE Jolly <i>Women & health</i> . 60 (9), 1032-1039.	
2020	Improving mortality predictions for patients with mechanical circulatory support using follow-up data and machine learning	Citations: 3
	BC Jaeger , RS Cantor, V Sthanam, R Rudraraju Circulation: Genomic and Precision Medicine. 13 (4), e002877.	
2020	Morning blood pressure surge and cardiovascular disease events and all-cause mortality in blacks: the Jackson Heart Study	Citations: 25
	JN Booth III, BC Jaeger , L Huang, M Abdalla, M Sims, M Butler, P Muntner, <i>Hypertension</i> . 75 (3), 835-843.	
2020	Trends in blood pressure control among US adults with hypertension, 1999-2000 to 2017-2018	Citations: 677
	P Muntner, ST Hardy, LJ Fine, BC Jaeger , G Wozniak, EB Levitan, Jama. 324 (12), 1190-1200.	
2020	Underutilization of treatment for black adults with apparent treatment-resistant hypertension: JHS and the REGARDS study	Citations: 13
	AT Langford, OP Akinyelure, TL Moore Jr, G Howard, BC Jaeger , <i>Hypertension</i> . 76 (5), 1600-1607.	
2020	Using predicted atherosclerotic cardiovascular disease risk for discrimination of awake or nocturnal hypertension	Citations: 5
	S Sakhuja, JN Booth, DE Anstey, BC Jaeger , CE Lewis, DM Lloyd-Jones, American Journal of Hypertension. 33 (11), 1011-1020.	
2019	An R2 statistic for covariance model selection in the linear mixed model	Citations: 14
	BC Jaeger , LJ Edwards, MJ Gurka Journal of Applied Statistics. 46 (1), 164-184.	
2019	Association of daytime and nighttime blood pressure with cardiovascular disease events among African American individuals	Citations: 38
	Y Yano, RM Tanner, S Sakhuja, BC Jaeger , JN Booth, M Abdalla, <i>JAMA cardiology.</i> 4 (9), 910-917.	
2019	Association of region and hospital and patient characteristics with use of high-intensity statins after myocardial infarction among Medicare beneficiaries	Citations: 22
	V Bittner, LD Colantonio, Y Dai, M Woodward, MT Mefford, BC Jaeger , JAMA cardiology. 4 (9), 865-872.	

2019	Blood-flow restriction resistance exercise for older adults with knee osteoarthritis: a pilot randomized clinical trial	Citations: 99
	SA Harper, LM Roberts, AS Layne, BC Jaeger , AK Gardner, KT Sibille, Journal of clinical medicine. 8 (2), 265.	
2019	Cardiovascular disease and mortality in adults aged≥ 60 years according to recommendations by the American College of	Citations: 16
	Cardiology/American Heart Association and American BC Jaeger, DE Anstey, AP Bress, JN Booth III, M Butler, D Clark III, Hypertension. 73 (2), 327-334.	
2019	Multimodal intervention to improve functional status in hypertensive older adults: a pilot randomized controlled trial	Citations: 11
	LC Baptista, BC Jaeger , SD Anton, AA Bavry, EM Handberg, AK Gardner, Journal of Clinical Medicine. 8 (2), 196.	
2019	Oblique random survival forests	
	BC Jaeger, DL Long, DM Long, M Sims, JM Szychowski, Yl Min, The annals of applied statistics. 13 (3), 1847.	Citations: 27
2019	Out-of-clinic sympathetic activity is increased in patients with masked uncontrolled hypertension	Citations: 35
	M Siddiqui, EK Judd, BC Jaeger , H Bhatt, T Dudenbostel, B Zhang, <i>Hypertension</i> . 73 (1), 132-141.	
2019	Prediabetes and risk for cardiovascular disease by hypertension status in black adults: the Jackson Heart Study	Citations: 54
	D Hubbard, LD Colantonio, RM Tanner, AP Carson, BC Jaeger , <i>Diabetes care.</i> 42 (12), 2322-2329.	
2019	Prevalence of activity limitations and association with multimorbidity among US adults 50 to 64 years old	Citations: 49
	CB Bowling, L Deng, S Sakhuja, MC Morey, BC Jaeger , P Muntner <i>Journal of General Internal Medicine</i> . 34, 2390-2396.	
2019	Race and sex differences in asleep blood pressure: the Coronary Artery Risk Development in Young Adults (CARDIA) study	Citations: 34
	JN Booth, DE Anstey, NA Bello, BC Jaeger , DN Pugliese, SJ Thomas, The Journal of Clinical Hypertension. 21 (2), 184-192.	
2019	Sex differences in masked hypertension: the Coronary Artery Risk Development in Young Adults study	Citations: 9
	DN Pugliese, JN Booth III, L Deng, DE Anstey, NA Bello, BC Jaeger , <i>Journal of hypertension</i> . 37 (12), 2380-2388.	
2019	Wearable technology to reduce sedentary behavior and CVD risk in older adults: a pilot randomized clinical trial	Citations: 44
	LM Roberts, BC Jaeger , LC Baptista, SA Harper, AK Gardner, EA Jackson, <i>Clinical Interventions in Aging</i> . 1817-1828.	

2018	 Assessing responsiveness over time of the PROMIS® pediatric symptom and function measures in cancer, nephrotic syndrome, and sickle cell disease 	Citations: 55
	BB Reeve, LJ Edwards, BC Jaeger , PS Hinds, C Dampier, DS Gipson, <i>Quality of Life Research</i> . 27, 249-257.	
2018	Impact of bladder cancer on health-related quality of life	Citational 140
	AB Smith, BC Jaeger , LC Pinheiro, LJ Edwards, HJ Tan, ME Nielsen, <i>BJU international</i> . 121 (4), 549-557.	Citations: 140
2018	Low agreement between modified-Schwartz and CKD-EPI eGFR in young adults: a retrospective longitudinal cohort study	Citations: 18
	M Webster-Clark, BC Jaeger , Y Zhong, G Filler, A Alvarez-Elias, BMC nephrology. 19, 1-10.	
2017	An R2 statistic for fixed effects in the generalized linear mixed model	Citations: 387
	BC Jaeger , LJ Edwards, K Das, PK Sen Journal of applied statistics. 44 (6), 1086-1105.	
2016	Responsiveness of PROMIS® Pediatric Measures to Hospitalizations for Sickle Pain and Subsequent Recovery	Citations: 60
	C Dampier, BC Jaeger , HE Gross, V Barry, L Edwards, Y Lui, DA DeWalt, Pediatric blood & cancer. 63 (6), 1038-1045.	
2014	Enumerating graph depletions	Citations: o
	BC Jaeger, TM Lewis	Citations. 0
	Online Journal of Analytic Combinatorics. 9.	
	ABSTRACTS AND POSTER PRESENTATIONS	
2024	1299-P: Individualized Type 2 Diabetes Risk Prediction	
	BC JAEGER, BJ WELLS, JM STAFFORD, R CASANOVA, BC Jaeger , <i>Diabetes</i> . 73 (Supplement_1).	
2024	1387-P: Prediabetes Subgroups, Type 2 Diabetes Risk, and Differential Intervention Effects	
	R CASANOVA, JM STAFFORD, Y DEMESIE, BC JAEGER, BC Jaeger , <i>Diabetes</i> . 73 (Supplement_1).	
2024	Abstract P131: Individualized Risk Prediction for Type 2 Diabetes: A Secondary Analysis of the Diabetes Prevention Program	
	BC Jaeger , R Casanova, B Wells, Y Demesie, J Stafford, M Bancks <i>Circulation</i> . 149 (Suppl_1), AP131-AP131.	

2024		Abstract P385: Comparison of Food Insecurity Classifications and Associations With Premature Cardiovascular Disease Mortality Among US Adults
		L Tian, BC Jaeger , K Dorans, J Chen, J He, JD Bundy <i>Circulation</i> . 149 (Suppl_1), AP385-AP385.
2024		Long-term mortality in the SPRINT cohort
		BC Jaeger , SA Gaussoin, JD Williamson, NM Pajewski, DM Reboussin <i>Alzheimer's Association International Conference</i> .
2024		Subclinical Vascular Disorders in Relation to Cognitive Decline and Impairment: The Multi-Ethnic Study of Atherosclerosis
		JE Tanley, BC Jaeger , H Chen, MD Rudolph, BC Sachs, C Li, Alzheimer's Association International Conference.
2024		The Types and Consistency of Participant-Specified Proxies During SPRINT
		SA Gaussoin, BC Jaeger , AJ Lerner, LH Perdue, SR Rapp, Alzheimer's Association International Conference.
2024		The association of frailty with cognition outcomes in SPRINT-MIND
		KE Callahan, BC Jaeger , SR Rapp, NM Pajewski, JD Williamson <i>Alzheimer's Association International Conference</i> .
2023		ASSOCIATION BETWEEN CARDIOVASCULAR DISEASE AND COGNITIVE IMPAIRMENT: IS DEPRESSION A MEDIATOR?
		B Bamgbade, J Lovato, D Reboussin, S Rapp, BC Jaeger , J Williamson <i>Innovation in Aging</i> . 7 (Suppl 1), 913.
2023		Abstract P258: Global Stress and Masked Hypertension in African-
		Americans: The Jackson Heart Study MA Miles, OP Akinyelure, S Sakhuja, ST Hardy, BC Jaeger, TM Spruill,
		Circulation. 147 (Suppl_1), AP258-AP258.
2023		Abstract P637: Sex-Specific Population Attributable Fractions to Cardiovascular Mortality Among US Adults
		L Tian, S Geng, BC Jaeger , K Dorans, J Chen, J He, JD Bundy <i>Circulation</i> . 147 (Suppl_1), AP637-AP637.
2023		Social Determinants of Health and Incident Apparent Treatment Resistant Hypertension in a National Cohort of Black and White US Adults
		OP Akinyelure, BC Jaeger , S Oparil, AP Carson, MM Safford, L Hannon III, <i>Circulation</i> . 147 (Suppl_1), A59-A59.
2023		THE TYPES AND CONSISTENCY OF PARTICIPANT-SPECIFIED PROXIES DURING THE SPRINT CLINICAL TRIAL
	I	K Coschigano, S Gaussoin, BC Jaeger , S Rapp, J Williamson <i>Innovation in Aging</i> . 7 (Supplement_1), 921-921.

2022	Abstract P117: Association Of Ambulatory Blood Pressure Monitoring Parameters With Left Ventricular Hypertrophy: Analysis Of Pooled Population-And Community-based Studies S Sakhuja, BC Jaeger, Y Yano, D Shimbo, CE Lewis, D Clark, JM Shikany,
	Circulation. 145 (Suppl_1), AP117-AP117.
2021	Abstract MP14: the effect of time-restricted feeding on 24-hour ambulatory blood pressure: results from the time-restricted intake of meals (TRIM) study RAN Turkson-Ocran, ER Miller, D Zhao, S Pilla, D Duan, BC Jaeger, Circulation. 143 (Suppl_1), AMP14-AMP14.
2021	Congenital Heart Disease Classification Improves SRTR Risk Estimation of Waitlist and Early Post-Transplant Mortality for Pediatric Heart Transplantation RJ Butts, J Kirklin, R Cantor, H Zhao, BC Jaeger, D Nandi, SR Auerbach, Circulation. 144 (Suppl_1), A11567-A11567.
2021	prevalence, risk factors and cardiovascular outcomes associated with persistent blood pressure control: the Jackson Heart Study GS Tajeu, C Colvin, ST Hardy, B Gaye, AP Bress, BC Jaeger , G Ogedegbe, <i>Circulation</i> . 143 (Suppl_1), A064-A064.
2020	Abstract P173: the impact of asleep blood pressure on the prevalence of masked hypertension by race/ethnicity: analysis of pooled population-and community-based studies Y Yano, B Poudel, L Chen, S Sakhuja, BC Jaeger, A Viera, D Shimbo, Circulation. 141 (Suppl_1), AP173-AP173.
2020	Abstract P335: Using Cardiovascular Disease Risk Versus Blood Pressure To Guide The Initiation Of Antihypertensive Medication Among Us Adults S Sakhuja, ST Hardy, P Akinyelure, BC Jaeger, D Shimbo, AP Bress, Circulation. 141 (Suppl_1), AP335-AP335.
2020	Development and Validation of Machine Learning-based Race- specific Models to Predict 10-year Risk of Heart Failure: A Multi- cohort Analysis MW Segar, BC Jaeger, KV Patel, V Nambi, CE Ndumele, A Correa, J Butler, Circulation. 142 (Suppl_3), A196-A196.
2020	Risk Factors for One-year Mortality and Allograft Loss in Pediatric Heart Transplant Patients Using Machine Learning: Analysis of the Pediatric Heart Transplant Society Database BL Wisotzkey, A Asante-Korang, JK Kirklin, R Cantor, D Koehl, BC Jaeger, Circulation. 142 (Suppl_3), A14239-A14239.

2019

Abstract P179: Hypertension Awareness is Associated With Negative Psychosocial Outcomes in Africans Americans in the Jackson Heart Study (JHS)

M Butler, J Kalinowski, D Shimbo, M Sims, JN Booth, **BC Jaeger**, ... *Circulation*. 139 (Suppl_1), AP179-AP179.



- 1. https://www.sprinttrial.org/public/dspHome.cfm
- 2: https://school.wakehealth.edu/features/research/leaps-and-bounds-new-ways-to-treat -obesity
- 3. https://motrpac.org/
- 4. https://docs.ropensci.org/aorsf/
- 5: https://bcjaeger.shinyapps.io/nhanesShinyBP/
- 6: From the Reasons for Geographic and Racial Differences in Stroke [REGARDS] Study