

BYRON C JAEGER

I am a biostatistician and data scientist. I work in clinical trials such as SPRINT¹, LEAP², and MoTrPAC³. I'm the developer of `aorsf`⁴ 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

- An R^2 statistic for linear and generalized linear mixed models

2012
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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

Birmingham, 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

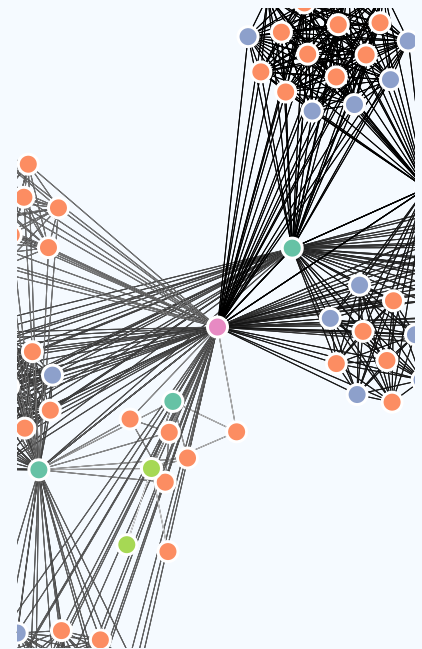
2017
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2016

Adjunct Professor

North Carolina Central University

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

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🐙 github.com/bcjaeger

🌐 byronjaeger.com

LANGUAGE SKILLS

R

C++

Made with the R package [pagedown](#).

The source code is available on
[github](#).

Last updated on 2024-09-03.



PEER REVIEWED PUBLICATIONS

2024	<p>Accelerated and interpretable oblique random survival forests</p> <p>BC Jaeger, S Welden, K Lenoir, JL Speiser, MW Segar, A Pandey, ... <i>Journal of Computational and Graphical Statistics</i>. 33 (1), 192-207.</p>	Citations: 6
2024	<p>Feasibility of remote monitoring for fatal coronary heart disease using Apple Watch ECGs</p> <p>L Butler, A Ivanov, T Celik, I Karabayir, L Chinthala, MM Hudson, BC Jaeger, ... <i>Cardiovascular Digital Health Journal</i>. .</p>	Citations: 0
2024	<p>Five-Year Cumulative Cardiovascular Health and Clinical Events in Patients With Chronic Kidney Disease: The CRIC Study</p> <p>Q Cao, Y Bi, F Alvarado, AH Anderson, KT Mills, BC Jaeger, J Chen, J He, ... <i>Journal of the American Heart Association</i>. 13 (10), e033001.</p>	Citations: 0
2024	<p>Machine learning models for predicting blood pressure phenotypes by combining multiple polygenic risk scores</p> <p>Y Hrytsenko, B Shea, M Elgart, N Kurniansyah, G Lyons, BC Jaeger, ... <i>Scientific Reports</i>. 14 (1), 12436.</p>	Citations: 0
2024	<p>MagicalRsq-X: A cross-cohort transferable genotype imputation quality metric</p> <p>Q Sun, Y Yang, JD Rosen, J Chen, X Li, W Guan, MZ Jiang, BC Jaeger, ... <i>The American Journal of Human Genetics</i>. 111 (5), 990-995.</p>	Citations: 0
2024	<p>Predicted Cardiovascular Risk by the PREVENT Equations in US Adults With Stage 1 Hypertension</p> <p>P Muntner, BC Jaeger, K Foti, L Ghazi, JD Bundy, L Chen, MM Safford <i>Hypertension</i>. 81 (9), 1976-1985.</p>	Citations: 0
2024	<p>Progression of Coronary Artery Calcification and Risk of Clinical Events in CKD: The Chronic Renal Insufficiency Cohort Study</p> <p>L Tian, BC Jaeger, JJ Scialla, MJ Budoff, RC Mehta, BG Jaar, G Saab, ... <i>American Journal of Kidney Diseases</i>. .</p>	Citations: 0
2024	<p>Race differences in ambulatory blood pressure monitoring parameters</p> <p>S Sakhuja, BC Jaeger, Y Yano, D Shimbo, CE Lewis, D Clark III, GS Tajew, ... <i>Blood Pressure Monitoring</i>. 29 (1), 23-30.</p>	Citations: 0
2024	<p>Social Determinants of Health and Incident Apparent Treatment-Resistant Hypertension Among White and Black US Adults: The REGARDS Study</p> <p>OP Akinyelure, BC Jaeger, MM Safford, S Oparil, AP Carson, A Sims, ... <i>Journal of the American Heart Association</i>. 13 (10), e031695.</p>	Citations: 1

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

2022	<ul style="list-style-type: none"> Blood pressure control among US adults, 2009 to 2012 through 2017 to 2020 P Muntner, MA Miles, BC Jaeger, L Hannon III, ST Hardy, Y Ostchega, ... <i>Hypertension</i>. 79 (9), 1971-1980. 	Citations: 107
2022	<ul style="list-style-type: none"> Evaluating novel approaches for estimating awake and sleep blood pressure: design of the Better BP Study—a randomised, crossover trial M Cepeda, D Hubbard, S Oparil, JE Schwartz, BC Jaeger, ST Hardy, ... <i>BMJ open</i>. 12 (6), e058140. 	Citations: 0
2022	<ul style="list-style-type: none"> Factors associated with age-related declines in cardiorespiratory fitness from early adulthood through midlife: CARDIA KP Gabriel, BC Jaeger, B Sternfeld, EE Dooley, MR Carnethon, ... <i>Medicine and science in sports and exercise</i>. 54 (7), 1147. 	Citations: 7
2022	<ul style="list-style-type: none"> Impact of asleep and 24-hour blood pressure data on the prevalence of masked hypertension by race/ethnicity Y Yano, B Poudel, L Chen, S Sakhuja, BC Jaeger, AJ Viera, D Shimbo, ... <i>American Journal of Hypertension</i>. 35 (7), 627-637. 	Citations: 6
2022	<ul style="list-style-type: none"> Inflammation biomarkers and incident coronary heart disease: the Reasons for Geographic And Racial Differences in Stroke Study OP Akinyelure, LD Colantonio, NS Chaudhary, BC Jaeger, SE Judd, ... <i>American Heart Journal</i>. 253, 39-47. 	Citations: 6
2022	<ul style="list-style-type: none"> Influence of Subject-Specific Effects in Longitudinal Modelling of Cognitive Decline in Alzheimer's Disease CF Murchison, BC Jaeger, JM Szychowski, GR Cutter, ED Roberson, ... <i>Journal of Alzheimer's Disease</i>. 87 (1), 489-501. 	Citations: 0
2022	<ul style="list-style-type: none"> Longer-term all-cause and cardiovascular mortality with intensive blood pressure control: a secondary analysis of a randomized clinical trial BC Jaeger, AP Bress, JD Bundy, AK Cheung, WC Cushman, PE Drawz, ... <i>JAMA cardiology</i>. 7 (11), 1138-1146. 	Citations: 41
2022	<ul style="list-style-type: none"> Pooled cohort probability score for subclinical airflow obstruction SP Bhatt, PP Balte, JE Schwartz, BC Jaeger, PA Cassano, PH Chaves, ... <i>Annals of the American Thoracic Society</i>. 19 (8), 1294-1304. 	Citations: 4
2022	<ul style="list-style-type: none"> Potential impact of systematic and random errors in blood pressure measurement on the prevalence of high office blood pressure in the United States S Sakhuja, BC Jaeger, OP Akinyelure, AP Bress, D Shimbo, JE Schwartz, ... <i>The Journal of Clinical Hypertension</i>. 24 (3), 263-270. 	Citations: 23

2022	<ul style="list-style-type: none"> 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, ... <i>Journal of hypertension</i>. 40 (1), 94-101. 	Citations: 5
2022	<ul style="list-style-type: none"> 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, ... <i>Plos one</i>. 17 (8), e0270675. 	Citations: 6
2022	<ul style="list-style-type: none"> 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, ... <i>The Journal of Heart and Lung Transplantation</i>. 41 (9), 1248-1257. 	Citations: 9
2022	<ul style="list-style-type: none"> Relation of abdominal obesity to risk of atrial fibrillation ⁶ J Kim, P Arora, SY Kwon, V Parcha, EB Levitan, BC Jaeger, EZ Soliman, ... <i>The American Journal of Cardiology</i>. 162, 116-121. 	Citations: 4
2022	<ul style="list-style-type: none"> 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, ... <i>Journal of the American Society of Nephrology</i>. 33 (3), 601-611. 	Citations: 15
2022	<ul style="list-style-type: none"> 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 <i>Statistics in medicine</i>. 41 (20), 3899-3914. 	Citations: 3
2022	<ul style="list-style-type: none"> aorsf: An R package for supervised learning using the oblique random survival forest BC Jaeger, S Welden, K Lenoir, NM Pajewski <i>Journal of Open Source Software</i>. 7 (77), 4705. 	Citations: 1
2021	<ul style="list-style-type: none"> Association between ambulatory blood pressure and coronary artery calcification: the JHS Y Zhang, JE Schwartz, BC Jaeger, J An, BK Bellows, D Clark III, ... <i>Hypertension</i>. 77 (6), 1886-1894. 	Citations: 6
2021	<ul style="list-style-type: none"> 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, ... <i>Circulation</i>. 143 (24), 2370-2383. 	Citations: 74

2021	<ul style="list-style-type: none"> 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, ... <i>Diabetologia</i>. 64, 1583-1594. 	Citations: 18
2021	<ul style="list-style-type: none"> Estimated prevalence of masked asleep hypertension in US adults S Li, JE Schwartz, D Shimbo, P Muntner, JM Shikany, JN Booth, BC Jaeger, ... <i>JAMA cardiology</i>. 6 (5), 568-573. 	Citations: 19
2021	<ul style="list-style-type: none"> 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 <i>The American journal of cardiology</i>. 148, 84-93. 	Citations: 23
2021	<ul style="list-style-type: none"> 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 <i>Circulation: Cardiovascular Quality and Outcomes</i>. 14 (9), e007071. 	Citations: 9
2021	<ul style="list-style-type: none"> 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, ... <i>American Journal of Hypertension</i>. 34 (11), 1181-1188. 	Citations: 5
2021	<ul style="list-style-type: none"> Maintaining normal blood pressure across the life course: the JHS ST Hardy, S Sakhuja, BC Jaeger, S Oparil, OP Akinyelure, TM Spruill, ... <i>Hypertension</i>. 77 (5), 1490-1499. 	Citations: 19
2021	<ul style="list-style-type: none"> Number and timing of ambulatory blood pressure monitoring measurements BC Jaeger, OP Akinyelure, S Sakhuja, JD Bundy, CE Lewis, Y Yano, ... <i>Hypertension Research</i>. 44 (12), 1578-1588. 	Citations: 12
2021	<ul style="list-style-type: none"> 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, ... <i>Hypertension</i>. 78 (6), 1730-1741. 	Citations: 31
2021	<ul style="list-style-type: none"> Racial differences in blood pressure control following stroke: the REGARDS study OP Akinyelure, BC Jaeger, TL Moore, D Hubbard, S Oparil, VJ Howard, ... <i>Stroke</i>. 52 (12), 3944-3952. 	Citations: 15
2021	<ul style="list-style-type: none"> 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	<p>Resveratrol and exercise combined to treat functional limitations in late life: a pilot randomized controlled trial</p> <p>SA Harper, JR Bassler, S Peramsetty, Y Yang, LM Roberts, BC Jaeger, ... <i>Experimental gerontology</i>. 143, 111111.</p>	Citations: 32
2021	<p>Subcortical short-term plasticity elicited by deep brain stimulation</p> <p>MZ Awad, RJ Vaden, ZT Irwin, CL Gonzalez, S Black, BC Jaeger, ... <i>Annals of clinical and translational neurology</i>. 8 (5), 1010-1023.</p>	Citations: 22
2021	<p>Trends in blood pressure and hypertension among US children and adolescents, 1999-2018</p> <p>ST Hardy, S Sakhuja, BC Jaeger, EM Urbina, SF Suglia, DI Feig, ... <i>JAMA network open</i>. 4 (4), e213917-e213917.</p>	Citations: 84
2021	<p>Twenty-five-year changes in office and ambulatory blood pressure: results from the coronary artery risk development in young adults (CARDIA) study</p> <p>JD Bundy, BC Jaeger, MD Huffman, SS Knox, SJ Thomas, D Shimbo, ... <i>American Journal of Hypertension</i>. 34 (5), 494-503.</p>	Citations: 6
2020	<p>Association of sleep characteristics with nocturnal hypertension and nondipping blood pressure in the CARDIA study</p> <p>SJ Thomas, JN Booth III, BC Jaeger, D Hubbard, S Sakhuja, M Abdalla, ... <i>Journal of the American Heart Association</i>. 9 (7), e015062.</p>	Citations: 39
2020	<p>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</p> <p>NA Bello, BC Jaeger, JN Booth III, M Abdalla, DE Anstey, DN Pugliese, ... <i>Journal of hypertension</i>. 38 (1), 102-110.</p>	Citations: 19
2020	<p>Cardiovascular health and transition from controlled blood pressure to apparent treatment resistant hypertension: the Jackson heart study and the REGARDS study</p> <p>OP Akinyelure, S Sakhuja, CL Colvin, D Clark III, BC Jaeger, ST Hardy, ... <i>Hypertension</i>. 76 (6), 1953-1961.</p>	Citations: 10
2020	<p>Deep neural network analyses of spirometry for structural phenotyping of chronic obstructive pulmonary disease</p> <p>S Bodduluri, A Nakhmani, JM Reinhardt, CG Wilson, BC Jaeger, ... <i>JCI insight</i>. 5 (13).</p>	Citations: 28
2020	<p>Development of predictive equations for nocturnal hypertension and nondipping systolic blood pressure</p> <p>BC Jaeger, JN Booth III, M Butler, LJ Edwards, CE Lewis, ... <i>Journal of the American Heart Association</i>. 9 (2), e013696.</p>	Citations: 14

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

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

2018	<ul style="list-style-type: none"> Assessing responsiveness over time of the PROMIS® pediatric symptom and function measures in cancer, nephrotic syndrome, and sickle cell disease BB Reeve, LJ Edwards, BC Jaeger, PS Hinds, C Dampier, DS Gipson, ... <i>Quality of Life Research</i>. 27, 249-257. 	Citations: 55
2018	<ul style="list-style-type: none"> Impact of bladder cancer on health-related quality of life AB Smith, BC Jaeger, LC Pinheiro, LJ Edwards, HJ Tan, ME Nielsen, ... <i>BJU international</i>. 121 (4), 549-557. 	Citations: 140
2018	<ul style="list-style-type: none"> Low agreement between modified-Schwartz and CKD-EPI eGFR in young adults: a retrospective longitudinal cohort study M Webster-Clark, BC Jaeger, Y Zhong, G Filler, A Alvarez-Elias, ... <i>BMC nephrology</i>. 19, 1-10. 	Citations: 18
2017	<ul style="list-style-type: none"> An R2 statistic for fixed effects in the generalized linear mixed model BC Jaeger, LJ Edwards, K Das, PK Sen <i>Journal of applied statistics</i>. 44 (6), 1086-1105. 	Citations: 387
2016	<ul style="list-style-type: none"> Responsiveness of PROMIS® Pediatric Measures to Hospitalizations for Sickle Pain and Subsequent Recovery C Dampier, BC Jaeger, HE Gross, V Barry, L Edwards, Y Lui, DA DeWalt, ... <i>Pediatric blood & cancer</i>. 63 (6), 1038-1045. 	Citations: 60
2014	<ul style="list-style-type: none"> Enumerating graph depletions BC Jaeger, TM Lewis <i>Online Journal of Analytic Combinatorics</i>. 9. 	Citations: 0



R PACKAGES

2024 2016	<ul style="list-style-type: none"> r2glmm Accompanying paper: An R2 statistic for fixed effects in the generalized linear mixed model. <i>Journal of applied statistics</i>. 44 (6), 1086-1105 <ul style="list-style-type: none"> Downloaded 565 times in last 30 days, downloaded 59,639 times in total Number of GitHub stars: 	
2024 2022	<ul style="list-style-type: none"> aorsf Accompanying paper: aorsf: An R package for supervised learning using the oblique random survival forest. <i>Journal of Open Source Software</i>. 7 (77), 4705 <ul style="list-style-type: none"> Downloaded 1,905 times in last 30 days, downloaded 19,862 times in total Number of GitHub stars: 	



ABSTRACTS AND POSTER PRESENTATIONS

- 2024 • **1299-P: Individualized Type 2 Diabetes Risk Prediction**
BC JAEGER, BJ WELLS, JM STAFFORD, R CASANOVA, **BC Jaeger**, ...
Diabetes. 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**, ...
Diabetes. 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
Circulation. 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
Circulation. 149 (Suppl_1), AP385-AP385.
- 2024 • **Long-term mortality in the SPRINT cohort**
BC Jaeger, SA Gaussoin, JD Williamson, NM Pajewski, DM Reboussin
Alzheimer's Association International Conference. .
- 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
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