

## Evan L. Thacker, PhD

Professor, Department of Public Health, Brigham Young University  
Curriculum Vitae – updated February 2026

### PERSONAL INFORMATION

#### Contact

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#### Education

BS, <i>cum laude</i>	Neuroscience	Brigham Young University (BYU)	2003
Certificate	Gerontology	BYU	2003
SM (MS)	Epidemiology	Harvard School of Public Health (HSPH)	2005
PhD	Epidemiology	University of Washington (UW) School of Public Health	2011

#### Academic positions

Postdoc/Statistician	Dept of Epidemiology	U of Alabama at Birmingham (UAB)	2011 – 2013
Assistant Professor	Dept of Public Health	BYU	2013 – 2019
Faculty Affiliate	Gerontology Program	BYU	2017 – present
Associate Professor	Dept of Public Health	BYU	2019 – 2024
Professor	Dept of Public Health	BYU	2024 – present

### TEACHING

#### BYU undergraduate courses

Course	Title	Students	Semesters
1. HLTH 310	Chronic Diseases: Prevention and Control	659	13 sections: Fa13, Wi14, Fa14 (2), Wi15, Su15, Fa15, Wi16, Fa16, Wi17, Fa17 (2), Wi18      2013 – 2018
2. HLTH 447	Introduction to Biostatistics	428	13 sections: Wi14, Wi15, Fa15, Wi16, Fa16, Wi17, Fa17, Wi18, Fa18, Fa19, Fa20, Fa21, Fa25      2014 – present
3. HLTH 314	Health, Disease, and Their Determinants, Part 1	940	17 sections: Fa18 (2), Wi19, Fa19 (2), Wi20, Fa20 (2), Wi21, Fa21, Wi22, Fa22, Wi23, Fa23, Wi24, Fa24, Fa25      2018 – 2025

Course	Title	Students	Semesters
4. HLTH 493	Epidemiology Capstone	107	8 sections: Wi19, Wi20, Wi21, Wi22, Wi23, Wi24, Wi25, Wi26 2019 – present
5. UNIV 101	BYU Foundations for Student Success	24	1 section: Fa25 2025 – present

### BYU graduate courses

Course	Title	Students	Semesters
1. HLTH 604	Biostatistics	41	2 sections: Wi21, Wi22 2021 – 2022
2. HLTH 621	Quantitative and Qualitative Methods for Public Health, Part 2	103	3 sections: Wi23, Wi24, Wi25, Wi26 2023 – present

### Guest teaching in BYU courses

Course	Title (instructor)	Topic	Semesters
1. HLTH 619	Infectious and Chronic Disease Prevention and Control (Novilla)	Chronic disease epidemiology	Fa13, Fa14, Fa15, Fa16, Fa17, Fa18, Fa19 2013 – 2019
2. HLTH 310	Chronic Diseases: Prevention and Control (Novilla)	Public health significance of stroke	Fa14, Wi15, Fa15, Fa16, Wi17, Fa17, Wi18 2014 – 2018
3. HLTH 100	Introduction to Public Health (Lutz)	Introduction to epidemiology	Wi15, Fa15, Wi17, Fa17 2015 – 2017
4. HLTH 492R	Faith in Public Health (Chaney/Sloan)	Religious attendance and health; seeking revelation in our professional lives	Wi18, Wi19, Wi20 2018 – 2020
5. HLTH 210	Foundations of Public Health (Hall/Lutz/Spruance)	Introduction to the Health Science emphasis; Introduction to the Epidemiology emphasis	Wi19, Sp20, Wi24, Wi25, Fa25 2019 – 2025
6. HLTH 330	Principles and Practices of Health Promotion (Ricks/Stickle)	Research on epilepsy and brain health	Fa22 2022

**Supervision of BYU graduate students, Master of Public Health (MPH)**

(MPH is a professional degree, therefore, BYU MPH students complete fieldwork projects, not master’s theses)

<b>My role</b>	<b>Student</b>	<b>MPH fieldwork project or organization</b>	
1. Chair	Tawny Larsen	Rheumatic Rescue and Zion’s Children of Haiti	2013 – 2015
2. Chair	Monica Scrobotovici	Summative evaluation for the Heart and Stroke Initiatives Department of the Western States Affiliate Office, American Heart Association	2013 – 2015
3. Member	Victor Moxley	Housing research at United Way of Utah County	2014 – 2018
4. Chair	Emarie Covey	Utah Violence and Injury Prevention Program	2016 – 2018
5. Member	Robin Beck	Health disparities among Māori and Pacific Islanders in South Auckland, New Zealand	2016 – 2018
6. Chair	Trent Sever	American Heart Association Centers for Health Metrics and Evaluation	2017 – 2019
7. Member	Mamadou Tounkara	Huntsman Cancer Institute	2017 – 2019
8. Member	Marco Verdeja	Opioid misuse prevention with Intermountain Healthcare, Departments of Population Health and Community Benefit	2017 – 2019
9. Chair	Megan Hawks	National Institute of Occupational Health and Safety in Nepal	2018 – 2020
10. Advisor	Natalie Bennion	Huntsman Cancer Institute, Cancer Control and Population Sciences	2019 – 2021
11. Reader	Josie McGhie	Community development with Care for Life	2019 – 2021
12. Advisor	Cyrille Kouambo	Adipokines and cognition epidemiologic research; and diversity and inclusion focus group analysis for BYU Department of Public Health	2020 – 2022
13. Reader	Megan Pierce	Epidemiologic studies with Huntsman Cancer Institute	2020 – 2022
14. Reader	Rachel Tingey	Utah Valley Refugees	2021 – 2023
15. Reader	McKinley Huefner	Healthy food access, Salt Lake County Health Department	2021 – 2023
16. Advisor	Anna Johnson	Utah County Health Department epidemiology research	2022 – 2024

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<b>My role</b>	<b>Student</b>	<b>MPH fieldwork project or organization</b>	
17. Reader	Ántonia Cash	Utah Department of Health and Human Services, Patient Safety Surveillance and Improvement	2022 – 2024
18. Advisor	Alex Anderson	Child welfare policy research with American Enterprise Institute’s Center for Opportunity and Social Mobility	2023 – 2025
19. Advisor	Emma Lopez	Health resilience in North Kivu with MOMENTUM Integrated Health Resilience	2023 – 2025
20. Reader	Scott Sais	Foundation for Family Life and Salt Lake County Health Department	2023 – 2025
21. Advisor	Jyles Datoon	Promoting public health through data-driven evaluation: chronic disease trends among older adults in Davis County, Utah	2024 – 2026
23. Advisor	Katelyn Stanger	Strengthening communities through Alzheimer’s advocacy and education	2024 – 2026
22. Reader	Nate Pennock	Utah Department of Health and Human Services, Rabies Response	2024 – 2026
23. Mentor	Brooke Waite	(Fieldwork pending)	2025 – 2027
24. Reader	Kelton Couperus	(Fieldwork pending)	2025 – 2027

**Supervision of BYU graduate students, MS in Statistics**

<b>My role</b>	<b>Student</b>	<b>Master’s thesis:</b>	
1. Member	Christa Schank	Heart failure and longitudinal cognitive test score trajectories in older adults	2013 – 2014
2. Member	Rachel Marker	Multiple imputation: an application in metabolic function and cognitive impairment	2015 – 2016

**Supervision of BYU honors students, BS in public health – epidemiology**

<b>My role</b>	<b>Student</b>	<b>Honors thesis:</b>	
1. Reader	Elise Bowen	Factors that motivate physical activity	2013 – 2014
2. Reader	Moremi Hamblin	Epistasis in Alzheimer’s disease	2019
3. Advisor	Abbey Whitcomb	Impact of emergency response trainees during the Ebola outbreak in Sierra Leone, 2014-2016	2021

## SCHOLARSHIP

### Peer-Reviewed Research Articles (Web of Science citations > 12,900; H index = 28)

Articles #1 - #19 were published before I became a faculty member at BYU

Articles #20 onward were published during my time as a faculty member at BYU

Student authors underlined: BYU undergrad student; BYU grad student; grad student at other university

1. **Thacker EL\***, Mirzaei F\*, Ascherio A. Infectious mononucleosis and risk for multiple sclerosis: a meta-analysis. *Annals of Neurology*. 2006 Mar;59(3):499-503. Epub 2006 Feb 17. DOI: 10.1002/ana.20820. PMID: 16502434. \*Equal contributions.
2. **Thacker EL**, Schneeweiss S. Initiation of acetylcholinesterase inhibitors and complications of chronic airways disorders in elderly patients. *Drug Safety*. 2006 Nov;29(11):1077-1085. DOI: 10.2165/00002018-200629110-00007. PMID: 17061913.
3. **Thacker EL**, O'Reilly EJ, Weisskopf MG, Chen H, Schwarzschild MA, McCullough ML, Calle EE, Thun MJ, Ascherio A. Temporal relationship between cigarette smoking and risk of Parkinson disease. *Neurology*. 2007 Mar 6;68(10):764-768. DOI: 10.1212/01.wnl.0000256374.50227.4b. PMID: 17339584. PMCID: PMC2225169.
4. **Thacker EL**, Chen H, Patel AV, McCullough ML, Calle EE, Thun MJ, Schwarzschild MA, Ascherio A. Recreational physical activity and risk of Parkinson's disease. *Movement Disorders*. 2008 Jan;23(1):69-74. Epub 2007 Oct 25. DOI: 10.1002/mds.21772. PMID: 17960818. PMCID: PMC2387117.
5. **Thacker EL**, Ascherio A. Familial aggregation of Parkinson's disease: a meta-analysis. *Movement Disorders*. 2008 Jun 15;23(8):1174-1183. Epub 2008 Apr 28. DOI: 10.1002/mds.22067. PMID: 18442112.
6. **Thacker EL**, Wiggins KL, Rice KM, Longstreth WT Jr, Bis JC, Dublin S, Smith NL, Heckbert SR, Psaty BM. Short-term and long-term risk of incident ischemic stroke after transient ischemic attack. *Stroke*. 2010 Feb;41(2):239-243. Epub 2009 Dec 3. DOI: 10.1161/STROKEAHA.109.569707. PMID: 19959534. PMCID: PMC2818812.
7. Tobacco and Genetics Consortium. Furberg H, Kim Y, Dackor J, Boerwinkle E, Franceschini N, Ardissino D, Bernardinelli L, Mannucci PL, Mauri F, Merlini PA, Absher D, Assimes TL, Fortmann SP, Iribarren C, Knowles JW, Quertermous T, Ferrucci L, Tanaka T, Bis JC, Furberg CD, Haritunians T, McKnight B, Psaty BM, Taylor KD, **Thacker EL**, Almgren P, Groop L, Ladenvall C, Boehnke M, Jackson AU, Mohlke KL, Stringham HM, Tuomilehto J, Benjamin EJ, Hwang SJ, Levy D, Preis SR, Vasan RS, Duan J, Gejman PV, Levinson DF, Sanders AR, Shi J, Lips EH, McKay JD, Agudo A, Barzan L, Bencko V, Benhamou S, Castellsague X, Canova C, Conway DI, Fabianova E, Foretova L, Janout V, Healy CM, Holcátová I, Kjaerheim K, Laggiou P, Lissowska J, Lowry R, Macfarlane TV, Mates D, Richiardi L, Rudnai P, Szeszenia-Dabrowska N, Zaridze D, Znaor A, Lathrop M, Brennan P, Bandinelli S, Frayling TM, Guralnik JM, Milaneschi Y, Perry JR,

- Altshuler D, Elosua R, Kathiresan S, Lucas G, Melander O, O'Donnell CJ, Salomaa V, Schwartz SM, Voight BF, Penninx BW, Smit JH, Vogelzangs N, Boomsma DI, de Geus EJ, Vink JM, Willemsen G, Chanock SJ, Gu F, Hankinson SE, Hunter DJ, Hofman A, Tiemeier H, Uitterlinden AG, van Duijn CM, Walter S, Chasman DI, Everett BM, Paré G, Ridker PM, Li MD, Maes HH, Audrain-McGovern J, Posthuma D, Thornton LM, Lerman C, Kaprio J, Rose JE, Ioannidis JP, Kraft P, Lin DY, Sullivan PF. Genome-wide meta-analyses identify multiple loci associated with smoking behavior. *Nature Genetics*. 2010 May;42(5):441-447. Epub 2010 Apr 25. DOI: 10.1038/ng.571. PMID: 20418890. PMCID: PMC2914600.
8. Ton TG, Jain S, Boudreau R, **Thacker EL**, Strotmeyer ES, Newman AB, Longstreth WT, Checkoway H. Post-hoc Parkinson's disease: identifying an uncommon disease in the Cardiovascular Health Study. *Neuroepidemiology*. 2010 Nov;35(4):241-249. Epub 2010 Sep 24. DOI: 10.1159/000319895. PMID: 20881426. PMCID: PMC2978249.
  9. Garg RK, Glazer NL, Wiggins KL, Newton KM, **Thacker EL**, Smith NL, Siscovick DS, Psaty BM, Heckbert SR. Ascertainment of warfarin and aspirin use by medical record review compared with automated pharmacy data. *Pharmacoepidemiology and Drug Safety*. 2011 Mar;20(3):313-316. Epub 2010 Dec 23. DOI: 10.1002/pds.2041. PMID: 21351314. PMCID: PMC3181009.
  10. Jain S, Ton TG, Boudreau RM, Yang M, **Thacker EL**, Studenski S, Longstreth WT Jr, Strotmeyer ES, Newman AB. The risk of Parkinson disease associated with urate in a community-based cohort of older adults. *Neuroepidemiology*. 2011 Jul;36(4):223-229. Epub 2011 Jun 16. DOI: 10.1159/000327748. PMID: 21677446. PMCID: PMC3124452.
  11. **Thacker EL**, Psaty BM, McKnight B, Heckbert SR, Longstreth WT Jr, Mukamal KJ, Meigs JB, de Boer IH, Boyko EJ, Carnethon MR, Kizer JR, Tracy RP, Smith NL, Siscovick DS. Fasting and post-glucose load measures of insulin resistance and risk of ischemic stroke in older adults. *Stroke*. 2011 Dec;42(12):3347-3351. Epub 2011 Oct 13. DOI: 10.1161/STROKEAHA.111.620773. PMID: 21998054. PMCID: PMC3226936.
  12. Ton TG, Jain S, Biggs ML, **Thacker EL**, Strotmeyer ES, Boudreau R, Newman AB, Longstreth WT Jr, Checkoway H. Markers of inflammation in prevalent and incident Parkinson's disease in the Cardiovascular Health Study. *Parkinsonism and Related Disorders*. 2012 Mar;18(3):274-278. Epub 2011 Nov 26. DOI: 10.1016/j.parkreldis.2011.11.003. PMID: 22119505. PMCID: PMC3288759.
  13. Britton KA, Mukamal KJ, Ix JH, Siscovick DS, Newman AB, de Boer IH, **Thacker EL**, Biggs ML, Gaziano JM, Djoussé L. Insulin resistance and incident peripheral artery disease in the Cardiovascular Health Study. *Vascular Medicine*. 2012 Apr;17(2):85-93. Epub 2012 Mar 8. DOI: 10.1177/1358863X11436195. PMID: 22402937. PMCID: PMC3563259.
  14. David SP\*, Hamidovic A\*, Chen GK\*, Bergen AW, Wessel J, Kasberger JL, Brown WM, Petruzella S, **Thacker EL**, Kim Y, Nalls MA, Tranah GJ, Sung YJ, Ambrosone CB, Arnett D, Bandera EV, Becker DM, Becker L, Berndt SI, Bernstein L, Blot WJ, Broeckel U, Buxbaum SG,

Caporaso N, Casey G, Chanock SJ, Deming SL, Diver WR, Eaton CB, Evans DS, Evans MK, Fornage M, Franceschini N, Harris TB, Henderson BE, Hernandez DG, Hitsman B, Hu JJ, Hunt SC, Ingles SA, John EM, Kittles R, Kolb S, Kolonel LN, Le Marchand L, Liu Y, Lohman KK, McKnight B, Millikan RC, Murphy A, Neslund-Dudas C, Nyante S, Press M, Psaty BM, Rao DC, Redline S, Rodriguez-Gil JL, Rybicki BA, Signorello LB, Singleton AB, Smoller J, Snively B, Spring B, Stanford J, Strom SS, Swan GE, Taylor KD, Thun MJ, Wilson AF, Witte JS, Yamamura Y, Yanek LR, Yu K, Zheng W, Ziegler RG, Zonderman AB, Jorgenson E\*\*, Haiman CA\*\*, Furberg H\*\*. Genome-wide meta-analyses of smoking behaviors in African Americans. *Translational Psychiatry*. 2012 May 22;2:e119. DOI: 10.1038/tp.2012.41. PMID: 22832964. PMCID: PMC3365260. \*Equal contributions. \*\*Equal contributions.

15. Jain S, Ton TG, Perera S, Zheng Y, Stein PK, **Thacker E**, Strotmeyer ES, Newman AB, Longstreth WT Jr. Cardiovascular physiology in premotor Parkinson's disease: a neuroepidemiologic study. *Movement Disorders*. 2012 Jul;27(8):988-995. Epub 2012 Jun 14. DOI: 10.1002/mds.24979. PMID: 22700356. PMCID: PMC3652377.
16. **Thacker EL**, McKnight B, Psaty BM, Longstreth WT Jr, Dublin S, Jensen PN, Newton KM, Smith NL, Siscovick DS, Heckbert SR. Association of body mass index, diabetes, hypertension, and blood pressure levels with risk of permanent atrial fibrillation. *Journal of General Internal Medicine*. 2013 Feb;28(2):247-253. Epub 2012 Sep 13. DOI: 10.1007/s11606-012-2220-4. PMID: 22972153. PMCID: PMC3614136.
17. Jensen PN, **Thacker EL**, Dublin S, Psaty BM, Heckbert SR. Racial differences in the incidence of and risk factors for atrial fibrillation in older adults: the Cardiovascular Health Study. *Journal of the American Geriatrics Society*. 2013 Feb;61(2):276-280. Epub 2013 Jan 15. DOI: 10.1111/jgs.12085. PMID: 23320758. PMCID: PMC3878638.
18. Brown TM, Tanner RM, Carson AP, Yun H, Rosenson RS, Farkouh ME, Woolley JM, **Thacker EL**, Glasser SP, Safford MM, Muntner P. Awareness, treatment, and control of LDL cholesterol are lower among U.S. adults with undiagnosed diabetes versus diagnosed diabetes. *Diabetes Care*. 2013 Sep;36(9):2734-2740. Epub 2013 May 1. DOI: 10.2337/dc12-2318. PMID: 23637349. PMCID: PMC3747886.
19. **Thacker EL**, McKnight B, Psaty BM, Longstreth WT Jr, Sitlani CM, Dublin S, Arnold AM, Fitzpatrick AL, Gottesman RF, Heckbert SR. Atrial fibrillation and cognitive decline: a longitudinal cohort study. *Neurology*. 2013 Jul 9;81(2):119-125. Epub 2013 Jun 5. DOI: 10.1212/WNL.0b013e31829a33d1. PMID: 23739229. PMCID: PMC3770176.
20. Soliman EZ, Safford MM, Muntner P, Khodneva Y, Dawood FZ, Zakai NA, **Thacker EL**, Judd S, Howard VJ, Howard G, Herrington DM, Cushman M. Atrial fibrillation and the risk of myocardial infarction. *JAMA Internal Medicine*. 2014 Jan;174(1):107-114. Epub 2013 Nov 4. DOI: 10.1001/jamainternmed.2013.11912. PMID: 24190540. PMCID: PMC4115282. Erratum in JAMA Intern Med. 2014 Feb 1;174(2):308.

21. Ton TG, Biggs ML, Comer D, Curtis L, Hu SC, **Thacker EL**, Searles Nielsen S, Delaney JA, Landsittel D, Longstreth WT Jr, Checkoway H, Jain S. Enhancing case ascertainment of Parkinson's disease using Medicare claims data in a population-based cohort: the Cardiovascular Health Study. *Pharmacoepidemiology and Drug Safety*. 2014 Feb;23(2):119-127. Epub 2013 Dec 13. DOI: 10.1002/pds.3552. PMID: 24357102. PMCID: PMC3923620.
22. Vimalananda VG, Biggs ML, Rosenzweig JL, Carnethon MR, Meigs JB, **Thacker EL**, Siscovick DS, Mukamal KJ. The influence of sex on cardiovascular outcomes associated with diabetes among older black and white adults. *Journal of Diabetes and Its Complications*. 2014 May-Jun;28(3):316-322. Epub 2013 Dec 26. DOI: 10.1016/j.jdiacomp.2013.12.004. PMID: 24461547. PMCID: PMC4004690.
23. Levitan EB, Tanner RM, Zhao H, Muntner P, **Thacker EL**, Howard G, Glasser SP, Bittner V, Farkouh ME, Rosenson RS, Safford MM. Secular changes in rates of coronary heart disease, fatal coronary heart disease, and out-of-hospital fatal coronary heart disease. *International Journal of Cardiology*. 2014 Jun 15;174(2):436-439. Epub 2014 Apr 13. DOI: 10.1016/j.ijcard.2014.04.027. PMID: 24767755. PMCID: PMC4059018.
24. **Thacker EL**, Muntner P, Zhao H, Safford MM, Curtis JR, Delzell E, Bittner V, Brown TM, Levitan EB. Claims-based algorithms for identifying Medicare beneficiaries at high estimated risk for coronary heart disease events: a cross-sectional study. *BMC Health Services Research*. 2014 Apr 29;14:195. DOI: 10.1186/1472-6963-14-195. PMID: 24779477. PMCID: PMC4101858.
25. Cushman M, Judd SE, Howard VJ, Kissela B, Gutiérrez OM, Jenny NS, Ahmed A, **Thacker EL**, Zakai NA. N-terminal pro-B-type natriuretic peptide and stroke risk: the Reasons for Geographic and Racial Differences in Stroke cohort. *Stroke*. 2014 Jun;45(6):1646-1650. Epub 2014 Apr 22. DOI: 10.1161/STROKEAHA.114.004712. PMID: 24757103. PMCID: PMC4142424.
26. Carson AP, Tanner RM, Yun H, Glasser SP, Woolley JM, **Thacker EL**, Levitan EB, Farkouh ME, Rosenson RS, Brown TM, Howard G, Safford MM, Muntner P. Declines in coronary heart disease incidence and mortality among middle-aged adults with and without diabetes. *Annals of Epidemiology*. 2014 Aug;24(8):581-587. Epub 2014 May 22. DOI: 10.1016/j.annepidem.2014.05.007. PMID: 24970491. PMCID: PMC4135722.
27. **Thacker EL**, Gillett SR, Wadley VG, Unverzagt FW, Judd SE, McClure LA, Howard VJ, Cushman M. The American Heart Association Life's Simple 7 and incident cognitive impairment: the REasons for Geographic And Racial Differences in Stroke (REGARDS) study. *Journal of the American Heart Association*. 2014 Jun 11;3(3):e000635. DOI: 10.1161/JAHA.113.000635. PMID: 24919926. PMCID: PMC4309046.
28. Howard G, Wagenknecht LE, Kernan WN, Cushman M, **Thacker EL**, Judd SE, Howard VJ, Kissela BM. Racial differences in the association of insulin resistance with stroke risk: the REasons for Geographic And Racial Differences in Stroke (REGARDS) Study. *Stroke*. 2014 Aug;45(8):2257-

2262. Epub 2014 Jun 26. DOI: 10.1161/STROKEAHA.114.005306. PMID: 24968932. PMCID: PMC4430474.
29. **Thacker EL**, Jensen PN, Psaty BM, McKnight B, Longstreth WT Jr, Dublin S, Newton KM, Smith NL, Siscovick DS, Heckbert SR. Use of statins and antihypertensive medications in relation to risk of long-standing persistent atrial fibrillation. *Annals of Pharmacotherapy*. 2015 Apr;49(4):378-386. Epub 2015 Jan 27. DOI: 10.1177/1060028014568447. PMID: 25628466. PMCID: PMC4562688.
30. Kamel H, Bartz TM, Longstreth WT Jr, Okin PM, **Thacker EL**, Patton KK, Stein PK, Gottesman RF, Heckbert SR, Kronmal RA, Elkind MSV, Soliman EZ. Association between left atrial abnormality on ECG and vascular brain injury on MRI in the Cardiovascular Health Study. *Stroke*. 2015 Mar;46(3):711-716. Epub 2015 Feb 12. DOI: 10.1161/STROKEAHA.114.007762. PMID: 25677594. PMCID: PMC4342300.
31. Gillett SR, **Thacker EL**, Letter AJ, McClure LA, Wadley VG, Unverzagt FW, Kissela BM, Kennedy R, Glasser SP, Levine DA, Cushman M. Correlates of incident cognitive impairment in the REasons for Geographic and Racial Differences in Stroke (REGARDS) Study. *Clinical Neuropsychologist*. 2015 Jul;29(4):466-486. Epub 2015 May 15. DOI: 10.1080/13854046.2015.1042524. PMID: 25978342. PMCID: PMC4504009.
32. Brutsaert EF, Shitole S, Biggs ML, Mukamal KJ, de Boer IH, **Thacker EL**, Barzilay JI, Djousse L, Ix JH, Smith NL, Kaplan RC, Siscovick DS, Psaty BM, Kizer JR. Relations of post-load and fasting glucose with atherosclerotic cardiovascular disease and mortality late in life: the Cardiovascular Health Study. *Journals of Gerontology Series A: Biological Sciences and Medical Sciences*. 2016 Mar;71(3):370-377. Epub 2015 Aug 27. DOI: 10.1093/Gerona/glv106. PMID: 26314953. PMCID: PMC5864159.
33. **Thacker EL**, Soliman EZ, Pulley L, Safford MM, Howard G, Howard VJ. Investigation of selection bias in the association of race with prevalent atrial fibrillation in a national cohort study: REasons for Geographic And Racial Differences in Stroke (REGARDS). *Annals of Epidemiology*. 2016 Aug;26(8):534-549. Epub 2016 Jul 13. DOI: 10.1016/j.annepidem.2016.06.012. PMID: 27480477. PMCID: PMC5040466.
34. Cushman M, Callas PW, McClure LA, Unverzagt FW, Howard VJ, Gillett SR, **Thacker EL**, Wadley VG. N-terminal pro-B-type natriuretic peptide and risk of future cognitive impairment in the REGARDS cohort. *Journal of Alzheimer's Disease*. 2016 Sep 6;54(2):497-503. DOI: 10.3233/JAD-160328. PMID: 27567834.
35. Kuźma E\*, Airdrie J\*, Littlejohns TJ, Lourida I, Thompson-Coon J, Lang IA, Scrobotovici M, **Thacker EL**, Fitzpatrick A, Kuller LH, Lopez OL, Longstreth WT Jr, Ukoumunne OC, Llewellyn DJ. Coronary artery bypass graft surgery and dementia risk in the Cardiovascular Health Study. *Alzheimer Disease & Associated Disorders*. 2017 Apr-Jun;31(2):120-127. Epub 2017 Mar 3. DOI:

10.1097/WAD.0000000000000191. PMID: 28263191. PMCID: PMC5441886. \**Equal contributions.*

36. Garg PK, O'Neal WT, Ogunsua A, **Thacker EL**, Howard G, Soliman EZ, Cushman M. Usefulness of the American Heart Association's Life Simple 7 to predict the risk of atrial fibrillation (from the REasons for Geographic And Racial Differences in Stroke [REGARDS] Study). *American Journal of Cardiology*. 2018 Jan 15;121(2):199-204. Epub 2017 Oct 19. DOI: 10.1016/j.amjcard.2017.09.033. PMID: 29153246. PMCID: PMC6080623.
37. Ehlert AN, Heckbert SR, Wiggins KL, **Thacker EL**. Administrative billing codes accurately identified occurrence of electrical cardioversion and ablation/maze procedures in a prospective cohort study of atrial fibrillation patients. *Clinical Cardiology*. 2017 Dec;40(12):1227-1230. Epub 2017 Dec 6. DOI: 10.1002/clc.22812. PMID: 29214653. PMCID: PMC6086133.
38. Hammond CA, Blades NJ, Chaudhry SI, Dodson JA, Longstreth WT Jr, Heckbert SR, Psaty BM, Arnold AM, Dublin S, Sitlani CM, Gardin JM, Thielke SM, Nanna MG, Gottesman RF, Newman AB, **Thacker EL**. Long-term cognitive decline after newly diagnosed heart failure: longitudinal analysis in the CHS (Cardiovascular Health Study). *Circulation: Heart Failure*. 2018 Mar 9;11(3):e004476. DOI: 10.1161/CIRCHEARTFAILURE.117.004476. PMID: 29523517. PMCID: PMC6072263.
39. Kamel H, Bartz TM, Elkind MSV, Okin PM, **Thacker EL**, Patton KK, Stein PK, deFilippi CR, Gottesman RF, Heckbert SR, Kronmal RA, Soliman EZ, Longstreth WT Jr. Atrial cardiopathy and the risk of ischemic stroke in the CHS (Cardiovascular Health Study). *Stroke*. 2018; Apr;49(4):980-986. Epub 2018 Mar 13. DOI: 10.1161/STROKEAHA.117.020059. PMID: 29535268. PMCID: PMC5973804.
40. Gillett SR, McClure LA, Callas PW, **Thacker EL**, Unverzagt FW, Wadley VG, Letter AJ, Cushman M. Hemostasis biomarkers and incident cognitive impairment: the REGARDS study. *Journal of Thrombosis and Haemostasis*. 2018 Jul;16(7):1259-1267. Epub 2018 May 7. DOI: 10.1111/jth.14138. PMID: 29733497. PMCID: PMC6031469.
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61. Noriega RX, Nañez JJ, Hartmann EF, Beard JD, Sloan-Aagard CD, **Thacker EL**. Comorbidity prevalence in prediabetes and type 2 diabetes: a cross-sectional study in a predominantly Hispanic U.S.–Mexico border population. *International Journal of Environmental Research and Public Health*. 2025 Apr 24;22(5):673. DOI: 10.3390/ijerph22050673. PMID: 40427789. PMCID: PMC12111297.
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63. Reese EM, Lines N, **Thacker EL**, Barnes MD. Association of COVID-19 stimulus receipt and spending with family health. *PLoS One*. 2025 Aug 22;20(8):e0328389. DOI: 10.1371/journal.pone.0328389. PMID: 40844989. PMCID: PMC12373205.
64. Magnusson BM, Long MC, Larson RJ, Maycock L, Huefner Wood E, Stratford G, **Thacker EL**. Knowledge about polycystic ovary syndrome (PCOS), body image, and depression by PCOS status

among a sample of US females. *Journal of Psychosomatic Obstetrics and Gynecology*. 2025 Sep 27;46(1):2541951. Epub 2025 Aug 25. DOI: 10.1080/0167482X.2025.2541951. PubMed ID: 40851536.

65. Christensen G, **Thacker EL**, Sloan-Aagard C. Spatiotemporal patterns in malignant brain and central nervous system cancer incidence and mortality in the United States. *Cancer Epidemiology*. 2025 Dec;99:102950. Epub 2025 Nov 5. DOI: 10.1016/j.canep.2025.102950. PMID: 41197564.
66. **Thacker EL**, Choi H, Strobino K, Liu M, Misiewicz S, Beard JD, Di Tullio MR, Rundek T, Elkind MSV, Gutierrez J. Associations of late-onset epilepsy with myocardial infarction and non-stroke vascular death. *Neurology*. 2025 Dec 9;105(11);e214292. Epub 2025 Nov 5. DOI: 10.1212/WNL.0000000000214292. PMID: 41191854. PMCID: PMC12590492.
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### Research Articles Submitted for Peer Review

1. Macena NER, Zolnikov TR, de Araújo AHM, King Stone KL, **Thacker EL**, Martins GKM, Marques CP, Gutberlet J, Thygerson S, Cruvinel VRN. Risk factors associated with respiratory diseases in waste pickers: a case study at the largest open dump in Latin America.
2. Martins GKM, Valadão LM, Zolnikov TR, Ramos FP, King Stone KL, **Thacker EL**, Thygerson S, Christensen EB, Marques CP, Gelato D, Cruvinel VRN. Food and nutrition security policies and informal workers: a case study with waste pickers in Brazil.
3. Macena N, King Stone K, **Thacker E**, Thygerson S, Galato D, Pintas C, Cruvinel V. One Health Approach to protect waste pickers from dermatological conditions: a case study in Brasilia, Brazil.
4. Choi H, Gutierrez J, Wang T, Liu M, Leu CS, Misiewicz S, Han J, Bello N, Biggs ML, Briceño EM, Brickman AM, Burke JF, Chen L, Colantonio LD, Diaz Andino SP, Elkind MSV, Fitzpatrick AL, Gonzalez Corona C, Gottesman RF, Gross AL, Huang L, Johnson EL, Johnson WC, Levine DA, Longstreth WT Jr, Pelagalli Maia S, Mayeux RP, Petersen BC, Obalana O, Reyes-Dumeyer D, Rundek T, Sanchez D, Shea SJ, Strobino K, Zhu CW, **Thacker EL**. The Epilepsy-Cog study: methods to establish a harmonized study of late-onset epilepsy in a meta-cohort of six population-based cohorts in the United States.

## Other Scholarly Publications (Not Peer-Reviewed)

1. [Editorial] **Thacker EL**. The United States Long-Term Care Ombudsman Program: understanding the real-life circumstances underlying resident complaint data. *Expert Review of Pharmacoeconomics and Outcomes Research*. 2006;6:619-622. DOI: 10.1586/14737167.6.6.619. PMID: 20528486.
2. [Letter to the editor] **Thacker E**. Interaction between prestroke cognitive performance and incident stroke in predicting risk of dementia. *Stroke*. 2008;39:e106; DOI: 10.1161/STROKEAHA.107.515890. PMID: 18497325.

## Peer-Reviewed Conference Abstracts – International or National

Abstracts #1 – #23 were presented before I became a faculty member at BYU

Abstracts #24 onward were presented during my time as a faculty member at BYU

Student authors underlined: BYU undergrad student; BYU grad student; other university grad student

Presentation type: [O] oral presentation; [MP] moderated poster presentation; [P] poster presentation

Publication outcome: [RA#] research article as numbered above; [SM#] submitted manuscript as numbered above

1. [O] [RA#3] **Thacker EL**, O'Reilly E, Weisskopf MG, Chen H, Schwarzschild MA, McCullough ML, Calle EE, Thun MJ, Ascherio A. Temporal relationship between cigarette smoking and risk of Parkinson's disease. *American Academy of Neurology Annual Meeting, San Diego, CA, April 2006*.
2. [P] [RA#2] **Thacker E**, Schneeweiss S. Initiation of acetylcholinesterase inhibitors and acute exacerbation of chronic obstructive pulmonary disease. *North American Congress of Epidemiology, Seattle, WA, June 2006*.
3. [O] [RA#4] **Thacker EL**, Chen H, Patel AV, McCullough ML, Calle EE, Thun MJ, Schwarzschild MA, Ascherio A. Recreational physical activity and risk of Parkinson's disease. *American Academy of Neurology Annual Meeting, Boston, MA, May 2007*.
4. [P] Hindorff L, **Thacker E**, Rice K, Psaty B, Rosendaal F, Reitsma P, Heckbert S. CYP2C9 and VKORC1 genetic variation and bleeding events in patients with atrial fibrillation. *Leducq International Network Against Thrombosis (LINAT) Annual Meeting, Oklahoma City, OK, May 2008*.
5. [O] [P×2] [RA#6] **Thacker EL**, Wiggins KL, Longstreth WT Jr, Bis JC, Rice KM, Dublin S, Smith NL, Heckbert SR, Psaty BM. Short term and long term risk of first ischemic stroke after transient ischemic attack. *Oral: NHLBI Cardiovascular Epidemiology, Biostatistics, and Prevention Trainee Session, Palm Harbor, FL, March 2009. Poster: (1) American Heart Association Cardiovascular Disease Epidemiology and Prevention Conference, Palm Harbor, FL, March 2009; (2) Leducq International Network Against Thrombosis (LINAT) Annual Meeting, Leuven, Belgium, May 2009*.
6. [P] [RA#8] Ton TG, Jain S, Boudreau R, **Thacker EL**, Strotmeyer ES, Rhodes S, Newman A, Longstreth WT Jr, Checkoway H. Development of an algorithm to identify Parkinson's disease in the Cardiovascular Health Study. *American Academy of Neurology Annual Meeting, Seattle, WA, April 2009*.

7. [P] [RA#10] Jain S, Ton TG, Boudreau RM, **Thacker EL**, Studenski S, Rhodes SL, Longstreth WT Jr., Strotmeyer ES, Newman AB. Urate and the risk of Parkinson disease in a community-based population in the United States (Cardiovascular Health Study). *International Congress of Parkinson's Disease and Movement Disorders, Paris, France, June 2009.*
8. [O] [P] [RA#11] **Thacker EL**, Siscovick DS, Psaty BM, Boyko EJ, McKnight B, Heckbert SR, Smith NL, Longstreth WT Jr, de Boer IH, Carnethon MR, Mukamal KJ, Kizer JR. Fasting insulin and incident ischemic stroke: the Cardiovascular Health Study. *Oral: NHLBI Cardiovascular Epidemiology, Biostatistics, and Prevention Trainee Session, San Francisco, CA, March 2010. Poster: American Heart Association Cardiovascular Disease Epidemiology and Prevention Conference, San Francisco, CA, March 2010.*
9. [MP] [RA#16] **Thacker EL**, McKnight B, Psaty BM, Longstreth WT Jr, Dublin S, Jensen PN, Newton KM, Smith NL, Siscovick DS, Heckbert SR. Associations of demographic and medical history factors with recurrence of atrial fibrillation and progression to permanent atrial fibrillation. *American Heart Association Cardiovascular Disease Epidemiology and Prevention Conference, Atlanta, GA, March 2011.*
10. [O] [RA#15] Jain S, Ton TG, Perera S, Zheng Y, **Thacker EL**, Studenski S, Longstreth WT Jr, Strotmeyer ES, Newman AB. Electrocardiographic abnormalities are associated with higher risk of Parkinson's disease in a community-based cohort of older adults. *American Academy of Neurology Annual Meeting, Honolulu, HI, April 2011.*
11. [P] [RA#12] Ton TG, Jain S, **Thacker EL**, Strotmeyer ES, Boudreau R, Newman AB, Longstreth WT, Checkoway H. Markers of inflammation in prevalent and incident Parkinson's disease in the Cardiovascular Health Study. *American Academy of Neurology Annual Meeting, Honolulu, HI, April 2011.*
12. [O] [RA#19] **Thacker EL**, McKnight B, Psaty BM, Longstreth WT Jr, Sitlani CM, Arnold AM, Fitzpatrick AL, Dublin S, Gottesman RF, Heckbert SR. Atrial fibrillation and cognitive decline: the Cardiovascular Health Study. *Oral: American Heart Association Cardiovascular Disease Epidemiology and Prevention Conference, San Diego, CA, March 2012.*
13. [P] [RA#17] Jensen PN, **Thacker EL**, Dublin S, Psaty BM, Heckbert SR. Racial differences in the incidence of and risk factors for atrial fibrillation in older adults: the Cardiovascular Health Study. *American Heart Association Cardiovascular Disease Epidemiology and Prevention Conference, San Diego, CA, March 2012.*
14. [P] [RA#29] **Thacker EL**, Jensen PN, Psaty BM, McKnight B, Longstreth WT Jr, Dublin S, Newton KM, Smith NL, Siscovick DS, Heckbert SR. Use of statins and antihypertensive medications in relation to recurrence of atrial fibrillation and progression to permanent atrial fibrillation. *American Heart Association Cardiovascular Disease Epidemiology and Prevention Conference, San Diego, CA, March 2012.*

15. [O] [RA#22] Vimalananda VG, Biggs ML, Rosenzweig JL, Carnethon MR, Meigs JB, **Thacker EL**, Siscovick DS, Mukamal KJ. Effects of sex and race on risk of congestive heart failure, coronary heart disease, and mortality in older adults with diabetes. *American Diabetes Association Scientific Sessions, Philadelphia, PA, June 2012.*
16. [O] [P] [RA#25] Cushman M, Judd SE, Howard VJ, **Thacker EL**, Ahmed A, Jenny NS, Kissela B, Zakai NA. Amino-terminal Pro-B-type natriuretic peptide (NT-Pro-BNP) and risk of stroke: the Reasons for Geographic and Racial Differences in Stroke (REGARDS) cohort. *Oral: American Heart Association International Stroke Conference, Honolulu, HI, February 2013. Poster: American Heart Association Scientific Sessions, Dallas, TX, November 2013.*
17. [P] [RA#26] Muntner P, Tanner R, Yun H, Carson A, Glasser S, Howard G, **Thacker E**, Farkouh M, Rosenson RS, Brown T, Safford M, Levitan EB. Decline in coronary heart disease incidence and mortality among middle-aged adults with diabetes from 1987-1993 through 2003-2009. *American College of Cardiology Annual Meeting, San Francisco, CA, March 2013.*
18. [P] [RA#20] Soliman EZ, Safford M, Muntner P, Khodneva Y, Judd S, Dawood F, **Thacker E**, Zakai NA, Howard V, Howard G, Herrington D, Cushman M. Atrial fibrillation is a risk factor for incident myocardial infarction. *American College of Cardiology Annual Meeting, San Francisco, CA, March 2013.*
19. [MP] [RA#27] **Thacker EL**, Gillett SR, Wadley VG, Unverzagt FW, Judd SE, McClure LA, Howard VJ, Cushman M. Life's Simple 7 and incident cognitive impairment: The REasons for Geographic And Racial Differences in Stroke (REGARDS) Study. *American Heart Association Epidemiology and Prevention Conference, New Orleans, LA, March 2013.*
20. [P] [RA#33] **Thacker EL**, Soliman EZ, Pulley L, Safford MM, Howard VJ, Howard G. Atrial fibrillation, black or white race, and research study participation in a national cohort study: the REasons for Geographic And Racial Differences in Stroke (REGARDS) Study. *American Heart Association Epidemiology and Prevention Conference, New Orleans, LA, March 2013.*
21. [P] [RA#28] Howard G, Wagenknecht LE, Cushman M, **Thacker EL**, Judd SE, Howard VJ, Kissela BM. Could there be an offsetting impact of insulin resistance on ischemic stroke and intracerebral hemorrhage? the REasons for Geographic And Racial Differences in Stroke (REGARDS) Study. *American Heart Association Epidemiology and Prevention Conference, New Orleans, LA, March 2013.*
22. [P] [RA#40] Gillett SR, McClure LA, Callas PW, **Thacker EL**, Unverzagt FW, Wadley VG, Letter AJ, Cushman M. Elevated hemostasis biomarkers are associated with incident cognitive decline in the REasons for Geographic and Racial Differences in Stroke (REGARDS) Study. *American Heart Association Epidemiology and Prevention Conference, New Orleans, LA, March 2013.*
23. [P] [RA#21] Ton TG, Biggs ML, Comer D, Curtis L, Hu S, **Thacker E**, Searles Nielsen S, Delaney JC, Landsittel D, Longstreth WT, Checkoway H, Jain S. Enhancing case ascertainment of

- Parkinson's disease using Medicare claims data in a population-based cohort: the Cardiovascular Health Study. *American Academy of Neurology Annual Meeting, San Diego, CA, March 2013.*
24. [O] [RA#34] Cushman M, Callas PW, McClure LA, Wadley V, Unverzagt F, Gillett SR, **Thacker EL**, Howard VJ. Amino-terminal Pro-B-type Natriuretic Peptide (NT-pro-BNP) And Risk of Cognitive Decline: The Reasons for Geographic And Racial Differences in Stroke (REGARDS) Cohort. *American Heart Association Scientific Sessions, Dallas, TX, November 2013.*
25. [O] Wadley VG, **Thacker EL**, Letter AJ, Unverzagt FW, Moy CS, Clark DG, McClure LA, Howard VJ, Cushman M, Levine DA, Kelley BJ, Kleindorfer D, Kissela B, Howard G. Low cognitive scores in domains of learning, memory or executive function predict incident stroke: the REGARDS study. *American Heart Association International Stroke Conference, San Diego, CA, February 2014.*
26. [P] [RA#32] Brutsaert E, Shitole S, Biggs ML, Mukamal K, de Boer I, **Thacker E**, Barzilay J, Djousse L, Ix JH, Smith N, Kaplan R, Siscovick D, Psaty B, Kizer J. Relations and predictive value of post-load and fasting glucose for incident cardiovascular disease and mortality in older adults: the Cardiovascular Health Study. *American Heart Association Scientific Sessions, Chicago, IL, November 2014.*
27. [P] [RA#30] Kamel H, Bartz T, Longstreth WT Jr, Okin P, **Thacker E**, Patton K, Stein P, Gottesman R, Heckbert S, Kronmal R, Elkind M, Soliman E. Association between left atrial abnormality on ECG and vascular brain injury on MRI in the Cardiovascular Health Study. *American Heart Association International Stroke Conference, Nashville, TN, February 2015.*
28. [O] [RA#38] Schank C, Blades NJ, Chaudhry SI, Dodson JA, Longstreth WT Jr, Heckbert SR, Psaty BM, Arnold AM, Dublin S, Sitlani CM, Gardin JM, Thielke SM, Nanna M, Gottesman RF, Newman AB, **Thacker EL**. Incident heart failure and longitudinal cognitive trajectories in the Cardiovascular Health Study. *American Heart Association Epidemiology and Prevention Conference, Baltimore, MD, March 2015.*
29. [P] [RA#60] Karki R, Marker R, Cushman M, Gillett SR, Judd SE, Kennedy RE, Kizer JR, Levine DA, McClellan WM, Kurella Tamura M, Unverzagt FW, Wadley VG, Blades NJ, **Thacker EL**. Adiponectin, leptin, resistin and incident cognitive impairment in the REasons for Geographic And Racial Differences in Stroke study (REGARDS). *Society for Epidemiologic Research Conference, Denver, CO, June 2015.*
30. [O] Unverzagt FW, Wadley VG, McClure LA, Kelly BJ, Tsivgoulis G, Alexander AS, **Thacker EL**, Howard VJ. Incident cognitive impairment in the REGARDS Study: rates and risk factors. *Gerontological Society of America Annual Scientific Meeting, Orlando, FL, November 2015.*
31. [MP] [RA#42] Harding MC, Sloan CD, Merrill RM, Harding TM, Thacker BJ, **Thacker EL**. Transition from cardiovascular disease to cancer as the leading cause of death in US states, 1999-2013. *American Heart Association Epidemiology and Prevention Conference, Phoenix, AZ, March 2016.*

32. [P] Palmer V, Nielsen N, Cox A, Bradshaw B, Brown M, Barney T, Graul R, Torgersen B, Tuttle C, **Thacker E**, Johnston J. Development of a model to predict preadolescent children's indoor PM<sub>10</sub> exposures. *National Environmental Health Association Annual Educational Conference, San Antonio, TX, June 2016.*
33. [O] [RA#35] Kuźma E, Airdrie J, Littlejohns TJ, Lourida I, Thompson-Coon J, Lang IA, Scrobotovoci M, **Thacker E**, Fitzpatrick A, Kuller LH, Lopez OL, Longstreth WT Jr, Ukoumunne OC, Llewellyn DJ. Coronary artery bypass graft surgery and dementia risk in the Cardiovascular Health Study. *Alzheimer's Association International Conference, Toronto, Canada, July 2016.*
34. [P] [RA#37] Ehlert AN, Heckbert SR, Wiggins KL, **Thacker EL**. Administrative billing codes accurately identify occurrence of electrical cardioversion and ablation/maze procedures in atrial fibrillation patients. *American Heart Association Epidemiology and Prevention Conference, Portland, OR, March 2017.*
35. [P] Ernstsen L, Sui X, Howard VJ, Wadley VG, **Thacker E**. Estimated cardiorespiratory fitness and incident cognitive impairment: results from the REGARDS Study. *American College of Sports Medicine Conference, Denver, CO, June 2017.*
36. [P] Nielsen N, Palmer V, Bradshaw R, **Thacker E**, Johnston J. Estimating children's exposure to indoor particulate matter (PM<sub>10</sub>) using a statistical prediction model. *American Industrial Hygiene Conference and Expo, Seattle, WA, June 2017.*
37. [P] [RA#46] Jensen A, Dungan M, Goates M, **Thacker E**. What is successful aging? Comparing frameworks for successful aging with cultural perspectives. *International Association of Gerontology and Geriatrics / Gerontological Society of America Conference, San Francisco, CA, July 2017.*
38. [O] [RA#39] Kamel H, Bartz TM, Elkind MSV, Okin PM, **Thacker EL**, Patton KK, Stein PK, deFilippi C, Gottesman RF, Heckbert SR, Kronmal RA, Soliman EZ, Longstreth WT Jr. Atrial cardiopathy and the risk of ischemic stroke in the Cardiovascular Health Study. *American Heart Association International Stroke Conference, Los Angeles, CA, January 2018.*
39. [P] [RA#44] Suemoto CK, Gibbons LE, **Thacker EL**, Jackson JD, Satizabal CL, Bettcher BM, Mez J, White LR, Power MC. Midlife incident prolonged rate-corrected QT interval does not predict late-life cognitive performance: the Honolulu-Asia Aging Study. *Alzheimer's Association International Conference, Chicago, IL, July 2018.*
40. [P] [RA#46] Jensen A, Claunch KD, Verdeja MA, Dungan MT, Goates MC, **Thacker EL**. Successful aging: cross-cultural comparison of older adults' lay perspectives. *Gerontological Society of America Conference, Boston, MA, November 2018.*
41. [P] Toukara MD, MaWhinney K, Evans K, Startup E, Ehlert A, Covey E, Westra J, Blades NJ, Dhamoon MS, González HM, Imamura F, Kuźma E, Llewellyn DJ, Novilla MLB, Scrobotovici M, Longstreth WT Jr, **Thacker EL**. Seven-year changes in cardiovascular health in older adults: the

Cardiovascular Health Study. *American Heart Association Epidemiology and Prevention Conference, Houston, TX, March 2019.*

42. [O] MaWhinney K, Toukara MD, Evans K, Startup E, Ehlert A, Covey E, Westra J, Blades NJ, Dhamoon MS, González HM, Imamura F, Kuźma E, Llewellyn DJ, Novilla MLB, Scrobotovici M, Longstreth WT Jr, **Thacker EL**. Cardiovascular health and cognitive decline in older adults: the Cardiovascular Health Study. *American Heart Association Epidemiology and Prevention Conference, Houston, TX, March 2019.*
43. [O] [RA#52] Harris ML, Bennion E, MaWhinney K, Howard VJ, Wadley VG, McClure LA, Levine DA, Manly JJ, Glymour MM, Wisco JJ, Chaney RA, **Thacker EL**. Rural versus urban living and incident cognitive impairment in the Reasons for Geographic and Racial Differences in Stroke Study (REGARDS). *American Heart Association Epidemiology and Prevention Conference, Houston, TX, March 2019.*
44. [O] [RA#53] Otto MC, Wu JHY, **Thacker EL**, Lai H, Lemaitre RN, McKnight B, Padhye N, Song X, King IB, Lopez O, Siscovick D, Mozaffarian D. Longitudinal associations of omega-6 and omega-3 plasma phospholipid polyunsaturated fatty acids with dementia in older adults: the Cardiovascular Health Study. *American Heart Association Epidemiology and Prevention Conference, Houston, TX, March 2019.*
45. [O] [P] [RA#47] **Thacker EL**, Boehme AK, Elkind MSV, Longstreth WT Jr, Choi H. Cognitive decline in older adults with epilepsy: the Cardiovascular Health Study. *American Epilepsy Society Annual Meeting, Baltimore, MD, December 2019.*
46. [P] Kunzelman JE, Gabor RM, Scrobotovici M, Blades NJ, Longstreth WT Jr, Heckbert SE, Psaty BM, Arnold AM, Fitzpatrick AL, Llewellyn DJ, Kuźma E, Kamel H, Dhamoon MS, Chaudhry SI, Dodson JA, Hedges DW, Gale SD, Erickson LD, Brown BL, **Thacker EL**. Long-term cognitive decline in older adults after incident coronary heart disease or after first receipt of coronary artery bypass grafting surgery or percutaneous coronary intervention. *American Heart Association Epidemiology and Prevention Conference, Phoenix, AZ, March 2020.*
47. [O] [RA#47] [RA#50] Choi H, Elkind MSV, Longstreth WT Jr, Boehme AK, **Thacker EL**. Cognitive decline in older adults with epilepsy: the Cardiovascular Health Study. *International Neuropsychological Society Annual Meeting, San Diego, CA, February 2021.*
48. [P] [RA#54] Cole K, Boehme A, **Thacker E**, Longstreth W, Brown B, Hedges D, Gale S, Kunzelman J, Elkind M. Cognitive decline among older adults with stroke and hospital-acquired infection: the Cardiovascular Health Study. *American Heart Association International Stroke Conference, New Orleans, LA, February 2022.*

*Note:* Due to an error made during abstract submission, the online record of this abstract on the conference website mistakenly lists the name Toukara M, one of my former students, where my name **Thacker E** should have been listed

49. [P] [RA#62] Gurney B, **Thacker E**, Clifton R, Longstreth WT Jr, Elkind M, Boehme A, Choi H. Association of epilepsy with trajectory of depressive symptoms in late life. *American Public Health Association Annual Meeting, Atlanta, GA, November 2023*.
50. [P] Cook E, Tolman A, Hewitt M, Sherrill A, **Thacker E**, Redelfs A, Nelson E. Warning signs for bulimia, anorexia, and binge eating disorders among adolescent athletes in four aesthetic sports. *American Public Health Association Annual Meeting, Atlanta, GA, November 2023*.
51. [O] Williams B, Policky A, Wood A, Biggs A, **Thacker E**, Nelson E, Glenn J. Kids and crime: the association between physical activity and perceived neighborhood crime among US children. *American Public Health Association Annual Meeting, Atlanta, GA, November 2023*.
52. [P] [RA#59] Springer MV, Whitney RT, Ye W, Briceño EM, Gross AL, Aparicio HJ, Beiser AS, Burke JF, Elkind MS, Ferber RA, Giordani BJ, Gottesman RF, Hayward RA, Howard VJ, Kollipara AS, Koton S, Lazar RM, Longstreth WT Jr, Pendlebury ST, Sussman JB, **Thacker EL**, Levine DA. Association between education level and post-stroke cognitive decline: a pooled cohort analysis of four cohorts. *American Heart Association International Stroke Conference, Phoenix, AZ, February 2024*.
53. [P] Long MC, **Thacker EL**, Longstreth WT Jr, Hu SC, Chahine LM, Beard JD. Socioeconomic status and Parkinson's disease in the Cardiovascular Health Study. *Society for Epidemiologic Research Conference, Austin, TX, June 2024*.
54. [O] Stevens J, Johnson A, Sunderlage G, Lemke J, Nelson E, **Thacker E**. Associations between neighborhood opportunities and changes in adolescent body mass index in the ABCD study. *American Public Health Association Annual Meeting, Minneapolis, MN, October 2024*.
55. [P] [RA#64] Wood E, Stratford G, Larson R, Long M, **Thacker E**, Magnusson B. Knowledge of polycystic ovary syndrome in young adult U.S. women. *American Public Health Association Annual Meeting, Minneapolis, MN, October 2024*.
56. [P] Memmott M, Willey K, Fisher D, Konadu H, Cromar R, Hafen R, Clifton R, Stepan B, Goates M, Choi H, Gutierrez J, **Thacker E**. Prevalence of depression in older adults with epilepsy: systematic review and meta-analysis. *American Epilepsy Society Annual Meeting, Los Angeles, CA, December 2024*.
57. [P] [RA#57] Choi H, **Thacker E**, Liu M, Strobino K, Misiewicz S, Rundek T, Elkind M, Gutierrez J. Racial/ethnic differences in the association of incident stroke with late onset epilepsy: the Northern Manhattan Study. *American Epilepsy Society Annual Meeting, Los Angeles, CA, December 2024*.
58. [P] [RA#66] **Thacker E**, Choi H, Strobino K, Liu M, Misiewicz S, Beard J, Rundek T, Elkind M, Gutierrez J. Risk of late-onset epilepsy after myocardial infarction and risks of myocardial infarction and cardiovascular death after late-onset epilepsy among stroke-free older adults: bidirectional associations. *American Epilepsy Society Annual Meeting, Los Angeles, CA, December 2024*.

59. [P] Elmer JJ, Noriega R, Johnson A, Moraes S, Choi H, Gutierrez J, Longstreth WT, Elkind M, **Thacker E**. Trajectory of increasing disability over time in activities of daily living (ADLs) and instrumental activities of daily living (IADLs) among older adults with epilepsy. *American Epilepsy Society Annual Meeting, Los Angeles, CA, December 2024*.
60. [P] Pelagalli Maia S, Diaz Andino SP, Obalana O, Petersen BC, Choi H, Gutierrez J, Leu CS, Wang T, Han J, Misiewicz S, Johnson EL, Longstreth WT Jr, Biggs ML, Fitzpatrick AL, Shea SJ, Johnson WC, Elkind MSV, Rundek T, Strobino K, Colantonio LD, Huang L, Zhu CW, Mayeux RP, Sanchez D, Reyes-Dumeyer D, Levine DA, Bello NA, **Thacker EL**. Demographics, vascular risk factors, and history of cardiovascular disease in relation to prevalent epilepsy in older adults: a pooled analysis of ARIC, CHS, MESA, NOMAS, and WHICAP cohorts. *American Heart Association Epidemiology and Prevention | Lifestyle and Cardiometabolic Health Scientific Sessions, New Orleans, LA, March 2025*.
61. [P] Choi H, Gutierrez J, Leu CS, Wang T, Han J, Misiewicz S, Johnson E, Longstreth W Jr, Biggs ML, Fitzpatrick A, Shea S, Johnson C, Elkind MSV, Rundek T, Strobino K, Colantonio L, Huang L, Zhu C, Sanchez D, Reyes-Dumeyer D, Mayeux R, Bello N, Levine DA, Obalana O, Diaz S, Petersen B, Maia S, **Thacker E**. Vascular risk factors and incident epilepsy in older adults: a pooled cohort analysis. *American Academy of Neurology Annual Meeting, San Diego, CA, April 2025*.
62. [P] Rhee G, Choi H, **Thacker E**, Liu M, Misiewicz S, Rundek T, Elkind M, Gutierrez J. Association between cortical and subcortical vascular abnormalities on brain MRI and incidence of late-onset epilepsy. *European Stroke Organization Conference, Helsinki, Finland, May 2025*.
63. [P] Pickett E, Beckstead M, Christensen G, **Thacker E**. Perception of peer approval of substance use and individual use of substances among adolescents in the United States in 2023. *American Public Health Association Annual Meeting, Washington, DC, November 2025*.
64. [O] Maia S, Melanson A, Steelman M, King Stone K, Cruvinel V, Macena N, Marques C, Thygerson S, **Thacker E**. Workplace chemical exposure, prevalence of depression, and mental health symptoms among waste-pickers in Brasília, Brazil. *American Public Health Association Annual Meeting, Washington, DC, November 2025*.
65. [P] Grimmer G, Lopez E, Diaz N, **Thacker E**. Religious importance in daily life and contraceptive use among sexually active women 15-49 years of age. *American Public Health Association Annual Meeting, Washington, DC, November 2025*.
66. [P] Withers L, Strong K, Jones E, Bergstedt E, Nelson E, **Thacker E**. Association of family conflict with nightly sleep length in children 9-13 years of age: a longitudinal ABCD study. *American Public Health Association Annual Meeting, Washington, DC, November 2025*.
67. [P] Guerrero Gutierrez D, Pelagalli Maia S, Choi H, Gutierrez J, Bello N, Biggs ML, Briceño EM, Colantonio LD, Elkind MSV, Fitzpatrick AL, Gonzalez C, Gross AL, Huang L, Johnson EL, Johnson WC, Leu CS, Levine DA, Liu M, Longstreth WT Jr, Mayeux RP, Misiewicz S, Reyes-

Dumeyer D, Rundek T, Sanchez D, Shea SJ, Wang T, Zhu CW, **Thacker EL**. Longest-held occupation in relation to epilepsy in late life: a pooled cohort analysis of incidence and prevalence. *American Epilepsy Society Annual Meeting, Atlanta, GA, December 2025*.

68. [P] Rhodes J, Shaw B, Rustad A, Maia S, **Thacker E**, Choi H, Gutierrez J, Rundek T. Label-guided imputation via forest-based proximities for improved time series classification. *International Conference on Machine Learning and Applications, Boca Center, FL, December 2025*.

### Conference Abstracts – State or Local with BYU Students

1. [P] [RA#38] Schank C, Blades N, **Thacker E**, Longstreth W. Heart failure and longitudinal cognitive test score trajectories in older adults. *University of Utah Student Global Health Conference, Salt Lake City, UT, April 2014*.
2. [P×2] Palmer V, Nielsen N, Cox A, Bradshaw B, Brown M, Barney T, Graul R, Torgersen B, Tuttle C, **Thacker E**, Johnston J. Development of a model to predict preadolescent childrens' indoor PM<sub>10</sub> exposures. (1) *Utah Environmental Health Association Conference, Brigham City, UT, September 2016*; (2) *BYU HBLI College of Life Sciences Undergraduate Poster Competition, Provo, UT, March 2017*.
3. [P] Anderson JD, Anderson MA, Toukara MD, Martinez P, **Thacker EL**, Crandall A. Biological plausibility of maternal smoking during pregnancy increasing the risk for offspring overweight and obesity. *BYU HBLI College of Life Sciences Undergraduate Research Poster Competition, Provo, UT, March 2018*.
4. [P×3] [RA#46] Claunch K, Jensen A, Verdeja M, Dungan M, Goates M, **Thacker E**. Successful aging: a cross-cultural comparison. (1) *BYU HBLI College of Life Sciences Undergraduate Research Poster Competition, Provo, UT, March 2018*. (2) *BYU Gerontology Conference, Provo, UT, March 2018*. (3) *BYU School of Family Life Mentored Student Research Conference, Provo, UT, April 2018*.
5. [P] MaWhinney K, Evans K, Startup E, Ehlert L, Covey E, Westra J, **Thacker E**. Methods of harmonizing two diet questionnaires: changes in diet over time in elderly adults. *BYU HBLI College of Life Sciences Undergraduate Research Poster Competition, Provo, UT, March 2018*.
6. [P×2] MaWhinney K, Toukara MD, Evans K, Startup E, Ehlert A, Covey E, Westra J, Blades NJ, Dhamoon MS, González HM, Imamura F, Kuźma E, Llewellyn DJ, Novilla MLB, Scrobotovici M, Longstreth WT Jr, **Thacker EL**. Cardiovascular health and cognitive decline in older adults: the Cardiovascular Health Study. (1) *Utah Conference on Undergraduate Research, Ogden, UT, February 2019*. (2) *BYU Gerontology Conference, Provo, UT, March 2019*.
7. [O] [P] [RA#52] Harris ML, Bennion E, MaWhinney K, Howard VJ, Wadley VG, McClure LA, Levine DA, Manly JJ, Glymour MM, Wisco JJ, Chaney RA, **Thacker EL**. Rural versus urban living and incident cognitive impairment in the Reasons for Geographic and Racial Differences in Stroke

Study (REGARDS). *Oral: Utah Conference on Undergraduate Research, Ogden, UT, February 2019. Poster: BYU College of Life Sciences CURA Poster Competition, Provo, UT, April 2019*

8. [P] Toukara MD, MaWhinney K, Evans K, Startup E, Ehlert A, Covey E, Westra J, Blades NJ, Dhamoon MS, González HM, Imamura F, Kuźma E, Llewellyn DJ, Novilla MLB, Scrobotovici M, Longstreth WT Jr, **Thacker EL**. Seven-year changes in cardiovascular health in older adults: the Cardiovascular Health Study. *BYU Gerontology Conference, Provo, UT, March 2019.*
9. [P] [RA#46] Jensen A, Claunch K, Verdeja M, Dungan M, Anderson S, Clayton C, Goates M, **Thacker E**. What does “successful aging” mean to you? a systematic review and cross-national comparison of lay perspectives of older adults in 12 countries, 2010-2017. *Utah Conference on Undergraduate Research, Logan, UT, February 2020.*
10. [P×2] Kunzelman JE, Gabor RM, Scrobotovici M, Blades NJ, Longstreth WT Jr, Heckbert SE, Psaty BM, Arnold AM, Fitzpatrick AL, Llewellyn DJ, Kuźma E, Kamel H, Dhamoon MS, Chaudhry SI, Dodson JA, Hedges DW, Gale SD, Erickson LD, Brown BL, **Thacker EL**. Long-term cognitive decline in older adults after incident coronary heart disease or after first receipt of coronary artery bypass grafting surgery or percutaneous coronary intervention. (1) *Utah Conference on Undergraduate Research, Logan, UT, February 2020.* (2) *BYU HBLI College of Life Sciences Undergraduate Research Poster Competition, Provo, UT, March 2020.*
11. [P] [RA#60] Prince S, Preece Q, Smith M, Beckodro C, Karki R, Marker R, Cushman M, Gillett SR, Judd SE, Kennedy RE, Kizer JR, Levine DA, McClellan WM, Kurella Tamura M, Unverzagt FW, Wadley VG, Blades NJ, **Thacker EL**. Leptin, adiponectin and incident cognitive impairment in the REasons for Geographic And Racial Differences in Stroke study (REGARDS). *BYU Gerontology Conference, Provo, UT, March 2022.*
12. [P] [RA#50] Hafen R, Cromar R, Memmott M, Hoyt EJ, Choi H, Elkind MSV, Longstreth WT Jr, Boehme AK, **Thacker EL**. Epilepsy, vascular risk factors, and cognitive decline in older adults: the Cardiovascular Health Study. *BYU Gerontology Conference, Provo, UT, March 2022.*
13. [P] Clifton R, Gurney B, **Thacker E**. Association of epilepsy with trajectory of quality of life among older adults. *BYU Gerontology Conference, Provo, UT, March 2023.*
14. [P] [RA#62] Clifton R, Willey K, Fisher D, Memmott M, Gurney B, **Thacker E**. Depression in older adults with epilepsy: a systematic literature review. *BYU Gerontology Conference, Provo, UT, March 2023.*
15. [P] Sandberg TM, **Thacker EL**, LeCheminant JD, Johnson PV, Hager R, Davidson LE. Fitness versus fatness and cognitive decline in older adults. *BYU Gerontology Conference, Provo, UT, March 2023.*
16. [P×2] Maia SP, **Thacker EL**, Briceño E, Gonzales C, Gross A. Cognitive test harmonization across English and Spanish language. (1) *BYU HBLI College of Life Sciences Undergraduate Research*

*Poster Competition, Provo, UT, March 2024. (2) BYU Gerontology Conference, Provo, UT, March 2024.*

17. [P×2] Pelagalli Maia S, **Thacker EL**. Associations of vascular risk factors with prevalent epilepsy in old age: a multi-cohort analysis. (1) *BYU College of Life Sciences Research Conference, Provo, UT, October 2024.* (2) *BYU Gerontology Conference, Provo, UT, March 2025.*
18. [P] Guerrero Gutierrez D, Pelagalli Maia S, **Thacker EL**. Self-reported longest-held occupation type in relation to epilepsy in late life: a pooled cohort analysis of incidence and prevalence. *BYU College of Life Sciences Research Conference, Provo, UT, October 2025.*
19. [P×2] [SM#1] Macena NER, King Stone KL, **Thacker EL**, de Araújo AHM, Thygerson S, Martins GKM, Marques CP, Zolnikov TR, Cruvinel VRN. Respiratory illness prevalence among waste pickers in Brasilia, Brazil. (1) *BYU College of Life Sciences Research Conference, Provo, UT, October 2025.* (2) *BYU For the Benefit of the World Conference, Provo, UT, November 2025.*

## Mentored research with BYU students, listed by start year

2013	<u>Rufus Sweeney</u>	<u>Cyrille Kouambo Beckodro</u> * ‡ † ◆
<u>Reena Karki</u> * ‡	<u>Andrew Berrett</u> *	<u>Emma Reese Sheranian</u> *
<u>Christa Schank Hammond</u> * ‡	<u>Mamadou Toukara</u> ‡	2022
<u>Monica Scrobotovici</u> * ‡	<u>Marco Verdeja</u> * ‡ #	<u>Rya Clifton</u> * † ‡ # ◆
2014	2018	<u>Della Fisher</u> † ‡ ◆
<u>Hilary Collins</u> ♠	<u>Jacqueline Kunzelman Anderson</u> * ‡	<u>Brenna Gurney Stepan</u> * † ‡ # ◆
<u>Yarazeth Martinez</u>	2019	<u>Tanner Sandberg</u> ‡
<u>Jordan Westra</u> ‡ #	<u>Shellie Anderson</u> * ‡	<u>Maren Torgersen</u> †
<u>Rachel Marker Gabor</u> * ‡	<u>Colter Clayton</u> * ‡	<u>Konrad Willey</u> † ‡ ◆
2015	<u>Elizabeth Mitchell</u> *	2023
<u>Michael Harding</u> * ‡ ¶	<u>Lauren Manzione</u>	<u>Julia James Elmer</u> ‡ ¶
2016	2020	<u>Mireya Long</u> * † ‡
<u>Matthew Dungan</u> * ‡ ♥	<u>Lily Kim</u> †	<u>Sofia Maia</u> † ‡ ¶
<u>Alexa Ehlert</u> * ‡	2021	<u>Patric Platts</u>
<u>Afton Jensen Reich</u> * ‡ ♥	<u>Linnea Brady</u>	<u>Stefany Diaz</u> † ‡
<u>Paloma Martinez</u> ‡	<u>Rebecca Cromar</u> ‡ ◆	<u>Harriet Konadu</u> ‡
<u>Natalia Nielsen</u> ‡ #	<u>Rebekah Hafen</u> * ‡ ◆	<u>Lola Obalana</u> † ‡
<u>Vanessa Palmer</u> ‡	<u>Kimberly Hansen</u>	<u>Brian Petersen</u> † ‡
<u>Emarie Covey</u> ‡	<u>Mariah Hoy</u>	2024
2017	<u>Rachel Lafitaga</u> †	<u>Kaleigh King Stone</u> * † ‡ ♥
<u>Jarett Anderson</u> ‡	<u>Noah Lines</u> *	<u>Ricardo Noriega</u> ‡ *
<u>McKenzie Anderson</u> ‡	<u>Mele Mafi</u> †	2025
<u>Erica Bennion</u> * ‡	<u>Margo Memmott</u> † ‡ ◆ ♠	<u>Danny Guerrero Gutierrez</u> ‡ ¶ ♥
<u>Kelsie Claunch</u> * ‡ ♥	<u>Daniel Millward</u>	<u>Hannah Gartz</u>
<u>Kirsten Evans</u> ‡	<u>Quinn Preece</u> * ‡ ◆	<u>Kevin Bastias</u>
<u>Matthew Harris</u> * ‡ § ¶	<u>Sam Prince</u> * ‡ ◆	<u>En-Chi “Angel” Lin</u>
<u>Kristine MaWhinney Magnusson</u> * ‡ §	<u>McKay Smith</u> * ‡ ◆	2026
<u>Emily Startup</u> ‡	<u>Emma Fulbright Hoyt</u> * ‡	<u>Kebo Nguimbi</u>

**Distinctions:** \* (co)authored peer-reviewed research article published or submitted  
 † (co)authored research article in final preparation for submission  
 ‡ (co)authored conference abstract  
 § finalist for AHA Stamler Research Award for New Investigators  
 ¶ BYU ORCA/CURA undergraduate research grant funded  
 # BYU ORCA/CURA undergraduate research grant submitted (not funded)  
 ♠ AHA USRP undergraduate research grant submitted (not funded)  
 ♥ BYU College of Life Sciences poster award winner  
 ◆ BYU Gerontology Conference poster award winner  
 ♣ BYU Graduate Student Society Professional Presentation Award (conference travel scholarship)

## Directed individual study with BYU students, listed by start year

2015	<u>Jacob Hansen</u>	2024
<u>Catherin Peña</u>	<u>Tara Laidlaw</u>	<u>Kaleigh King Stone</u>
2016	<u>Bo Young Lee</u>	<u>Alida Johnson</u>
<u>Paul Bradshaw</u>	<u>McKaylee Smith</u>	<u>Anna Johnson</u>
2020	2023	2026
<u>Will Durante</u>	<u>Kendall Campbell</u>	<u>Katelyn Stanger</u>
<u>Kelsey Ham</u>	<u>Kaity Ward</u>	

## **Invited Research Seminar Presentations**

1. Fasting insulin and incident ischemic stroke: the Cardiovascular Health Study. *Collaborative Health Studies Coordinating Center, University of Washington, Seattle, WA, March 2010.*
2. Measures of insulin resistance in the Cardiovascular Health Study. *Cardiovascular Health Study Steering Committee meeting, Rosemont, IL, April 2011.*
3. Atrial fibrillation and cognitive decline. *Department of Epidemiology, University of Alabama at Birmingham, Birmingham, AL, February 2012.*
4. Insulin resistance and ischemic stroke. *Department of Pharmaceutical Outcomes and Policy, University of Florida, Gainesville, FL, April 2012.*
5. Racial difference in atrial fibrillation. *Department of Epidemiology, University of Alabama at Birmingham, Birmingham, AL, November 2012.*
6. Cardiovascular health and longitudinal cognitive trajectories. *Department of Statistics, Brigham Young University, Provo, UT, March 2015.*
7. Long-term cognitive decline in older adults after newly diagnosed heart failure. *Cardiovascular Health Study Steering Committee meeting, Rosemont, IL, October 2016.*
8. Modeling longitudinal trajectories of cognitive performance. *Division of Neurology Clinical Outcomes Research and Population Science (NeuroCORPS), Department of Neurology, Columbia University, New York, NY, November 2016.*
9. Is cancer more common in Grandview than we would expect based on the rest of Utah? *Grandview South neighborhood meeting, Provo, UT, September 2019.*

## **Competitive Research Grants – Funded and Active**

1. Effects of vascular risk factors on risk for dementia and stroke after late-onset epilepsy 2022 – 2027  
External funding: NIH/NIA R01 AG074355 (second submission)  
Award of \$2,486,996 in direct costs, of which \$244,850 (9.8% of total) comes to BYU via subcontract from Columbia University  
My role: MPI with Hyunmi Choi (contact PI) and Jose Gutierrez (both of Columbia University)
2. Women's health in a vulnerable population: waste pickers in Brasília, Brazil 2026  
Internal funding: BYU Women's Research Initiative Grant  
Award of \$4,800 in direct costs  
My role: PI and faculty mentor to BYU MPH student

### **Competitive Research Grants – Funded and Completed**

1. Cardiovascular health and cardiovascular disease prevention in older adults 2015  
Internal funding: BYU College of Life Sciences James Bobbitt Heart Disease Research Award  
Award of \$10,000 in direct costs  
My role: PI

### **Competitive Research Grant Applications – Not Funded**

1. Detecting occult paroxysmal atrial fibrillation in the general population 2013  
American Heart Association Clinical Research Program  
My role: PI
2. Molecular basis of cardiovascular health: a novel multi-biomarker health score 2015  
NIH/NHLBI R01 PI: Norrina Allen (Northwestern University)  
My role: Consultant
3. Cognitive and psychosocial trajectories of older adults with incident epilepsy 2017  
Columbia University ISP Pilot Award Program PI: Hyunmi Choi (Columbia University)  
My role: Co-I
4. Reasons for racial disparities in new-onset epilepsy in older adults (first submission) 2017  
NIH/NINDS R03 PI: Hyunmi Choi (Columbia University)  
My role: Co-I
5. Reasons for racial disparities in new-onset epilepsy in older adults (second submission) 2018  
NIH/NINDS R03 PI: Hyunmi Choi (Columbia University)  
My role: Co-I
6. Effects of vascular risk factors on risk for dementia and stroke after late-onset epilepsy 2020  
NIH/NIA R01 (first submission)  
My role: MPI with Hyunmi Choi (contact PI) and Mitch Elkind (both of Columbia University)

### **Competitive Training Grant – Funded and Active**

1. Epilepsy epidemiology in older adults 2025 – 2026  
External funding: American Epilepsy Society BRIDGE Summer Research Internship Grant  
Award of \$11,200 in direct costs (student intern support)  
My role: PI and faculty mentor to BYU undergraduate student intern

### **Competitive Training Grant Application – Not Funded**

1. Prevention of stroke due to atrial fibrillation 2014  
AHA Undergraduate Student Research Program PI: Hilary Collins (BYU undergraduate student)  
My role: Faculty mentor/sponsor to undergraduate student PI

2. U-RISE at Brigham Young University 2024  
NIH T34   MPIs: Sam Payne (contact PI), Arminda Suli, and Laura Bridgewater (all of BYU)  
My role: Participating faculty member

## CITIZENSHIP

### Service on BYU University committees

1. Gerontology program committee 2018/19 – 2021/22  
*Gerontology student association faculty advisor*
2. Faculty advisory council, *one-year term* 2020/21  
*Subcommittee on family friendly policy and student costs and incentives*
3. College of Life Sciences dean search committee 2021/22  
*Department of Public Health representative*

### Service on BYU College of Life Sciences committees

1. Mentoring Environment Grant (MEG) review committee 2013, 2014, 2015

### Service on BYU Department of Public Health committees

1. MPH curriculum committee 2013/14, 2014/15
2. Alumni connections committee 2013/14, 2014/15
3. MPH admissions committee 2016, 2023, 2024
4. Student scholarship committee 2016, 2018, 2019  
*Chair, 2018*
5. Undergraduate curriculum & learning committee 2016/17, 2018/19 – present  
*Health Science emphasis coordinator, 2018/19 – 2020/21*  
*Epidemiology emphasis coordinator, 2021/22 – present*
6. External funding committee (*ad hoc*) 2016/17
7. Department name change committee (*ad hoc; co-chair*) 2017
8. Student/faculty/staff awards committee 2017, 2018, 2019  
*Chair, 2017 – 2018*
9. Annual review / merit pay committee 2018
10. Jeff Glenn rank & status committee (*chair and new faculty mentor*) 2018 – 2022
11. Faculty search committees (*ad hoc*) 2019/20, 2020/21, 2023/24
12. Belonging committee 2020/21 – present
13. Research and mentoring committee 2021/22

- |                                               |                   |
|-----------------------------------------------|-------------------|
| 14. CEPH accreditation committee              | 2021/22 – 2023/24 |
| 15. MPH Epidemiology Certificate faculty lead | 2022/23 – present |
| 16. Professional development committee        | 2025 – present    |
| 17. Student experiences committee             | 2024 – present    |
| <i>Chair, 2024/25 - present</i>               |                   |

### **Other service at BYU**

- |                                                             |             |
|-------------------------------------------------------------|-------------|
| 1. BYU Wellness Program evaluation focus group              | 2014        |
| 2. BYU School of Nursing poverty simulation volunteer staff | 2021 – 2025 |

### **Professional service in settings outside BYU**

- |                                                                                                                                                                                                     |                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 1. American Heart Association (AHA) Council on Epidemiology and Prevention (EPI)                                                                                                                    |                |
| (a) AHA EPI Lifestyle Scientific Sessions                                                                                                                                                           | 2013 – 2024    |
| <i>Session co-moderator, 2013, 2016; Abstract reviewer, 2015 – 2019, 2021, 2024; Discussion roundtable co-moderator, 2024</i>                                                                       |                |
| (b) AHA EPI Stroke Statistics Committee                                                                                                                                                             | 2019 – present |
| <i>Chair-elect, 2021 – 2022; Interim chair, 2022 – 2023; Chair, 2023 – 2025; Immediate past chair, 2025 – present</i>                                                                               |                |
| <i>Coordinate multiple authors' contributions to writing the Stroke (Cerebrovascular Diseases) and Brain Health chapters for annual AHA publication: Heart Disease and Stroke Statistics Update</i> |                |
| <i>Coauthored the 2022, 2023, 2024, 2025, and 2026 editions of the annual Update</i>                                                                                                                |                |
| (c) AHA EPI Statistics Committee                                                                                                                                                                    | 2022 – 2025    |
| <i>Voting member as Stroke Statistics Committee Chair</i>                                                                                                                                           |                |
| (d) AHA EPI Council Leadership Committee                                                                                                                                                            | 2022 – 2025    |
| <i>Voting member as Stroke Statistics Committee Chair</i>                                                                                                                                           |                |
| (e) AHA Stroke Council Leadership Committee                                                                                                                                                         | 2024 – 2025    |
| <i>Liaison as Stroke Statistics Committee Chair</i>                                                                                                                                                 |                |
| 2. American Public Health Association (APHA)                                                                                                                                                        |                |
| (a) APHA Annual Meeting                                                                                                                                                                             | 2025           |
| <i>Abstract reviewer, 2025</i>                                                                                                                                                                      |                |

3. National Institutes of Health (NIH)
  - (a) NHLBI Special Emphasis Panel / Scientific Review Group ZHL1 CSR-G 2023  
*Review of grant applications for RFA-HL-23-015 and RFA-HL-23-016: New Epidemiological Cohort Study among Asian Americans, Native Hawaiians, and Pacific Islanders (AsA-NHPI): Coordinating Center and Clinical/Community Field Centers*
  - (b) Aging, Injury, Musculoskeletal, and Rheumatologic Disorders (AIMR) Study Section 2024  
*Temporary member*
  - (c) NHLBI Special Emphasis Panel / Scientific Review Group ZHL1 CSR-G (M1) 2025  
*Review of grant application for PA-23-317 and NOT-HL-24-029: Competitive revision to expand Epidemiological Cohort Study to adults 65 and older: Coordinating Center*
  - (d) Neurological, Mental and Behavioral Health (NMBH) Study Section 2025 – 2026  
*Temporary member*
4. Cardiovascular Health Study (CHS)
  - (a) CHS Neurology Working Group 2007 – present  
*Attend working group meetings; review and comment on investigators' proposed studies and emerging findings; collaborate on CHS-based epidemiologic research on brain health*
  - (b) CHS Publications & Presentations 2010 – 2016  
*Ad hoc reviewer of penultimate draft manuscripts (9 reviews)*
5. Reasons for Geographic and Racial Differences in Stroke Study (REGARDS)
  - (a) REGARDS Cognition Working Group 2011 – present  
*Attend working group meetings; review and comment on investigators' proposed studies and emerging findings; collaborate on REGARDS-based epidemiologic research on brain health*
  - (b) REGARDS Publications & Presentations 2018 – present  
*Ad hoc reviewer of penultimate draft manuscripts (15 reviews)*

**Service as *ad hoc* manuscript reviewer for peer-reviewed journals**

1. *American Journal of Epidemiology* 1 review 2017
2. *American Journal of Preventive Medicine* 4 reviews 2015 – 2021
3. *Anatolian Journal of Cardiology* 1 review 2017
4. *Annals of Internal Medicine* 2 reviews 2018 – 2022
5. *Atherosclerosis* 1 review 2016
6. *Basal Ganglia* 1 review 2011
7. *Biological Trace Element Research* 1 review 2022

8. <i>BioMed Research International</i>	2 reviews	2020
9. <i>BMC Cardiovascular Disorders</i>	6 reviews	2015 – 2020
10. <i>BMC Geriatrics</i>	1 review	2021
11. <i>BMC Health Services Research</i>	1 review	2016
12. <i>BMC Medical Education</i>	1 review	2015
13. <i>BMC Medical Research Methodology</i>	1 review	2012
14. <i>BMC Medicine</i>	2 reviews	2012 – 2021
15. <i>BMC Neurology</i>	2 reviews	2017 – 2025
16. <i>BMJ</i>	1 review	2012
17. <i>BMJ Open</i>	3 reviews	2018 – 2024
18. <i>Circulation</i>	3 reviews	2008 – 2020
19. <i>Circulation: Cardiovascular Quality and Outcomes</i>	1 review	2016
20. <i>European Journal of Neurology</i>	2 review	2010 – 2020
21. <i>Expert Review of Anti-infective Therapy</i>	1 review	2006
22. <i>Frontiers in Aging Neuroscience</i>	1 review	2021
23. <i>International Journal of Epidemiology</i>	1 review	2018
24. <i>Journal of Alzheimer’s Disease</i>	1 review	2015
25. <i>Journal of Cross-Cultural Gerontology</i>	2 reviews	2020 – 2025
26. <i>Journal of Drug Issues</i>	1 review	2014
27. <i>Journal of Human Hypertension</i>	1 review	2015
28. <i>Journal of Internal Medicine</i>	1 review	2007
29. <i>Journal of Racial and Ethnic Health Disparities</i>	1 review	2016
30. <i>Journal of the American Heart Association</i>	5 reviews	2014 – 2020
31. <i>Journal of the American Society of Echocardiography</i>	1 review	2012
32. <i>Journal of the National Medical Association</i>	1 review	2017
33. <i>Journal of the Neurological Sciences</i>	1 review	2011
34. <i>Kidney International Reports</i>	1 review	2020
35. <i>Lipids in Health and Disease</i>	1 review	2024
36. <i>Medical Journal of Australia</i>	1 review	2017

37. <i>Movement Disorders</i>	1 review	2009
38. <i>Neuroepidemiology</i>	9 reviews	2013 – 2025
39. <i>Neurology</i>	14 reviews	2015 – 2026
40. <i>Parkinson’s Disease</i>	1 review	2019
41. <i>Pharmacoepidemiology and Drug Safety</i>	1 review	2024
42. <i>Pharmacy Practice</i>	1 review	2016
43. <i>PLoS Medicine</i>	1 review	2020
44. <i>PLoS Neglected Tropical Diseases</i>	1 review	2021
45. <i>PLoS One</i>	2 reviews	2022 – 2024
46. <i>Postgraduate Medical Journal</i>	1 review	2024
47. <i>Preventive Medicine</i>	1 review	2021
48. <i>Psychoneuroendocrinology</i>	1 review	2018
49. <i>Scientific Reports</i>	1 review	2024
50. <i>Stroke</i>	3 reviews	2008 – 2022
51. <i>Value in Health</i>	1 review	2015

**External reviewer for promotion and tenure of faculty at other universities**

1. Georgia Southern University	1 review	2021
2. University of Massachusetts, Lowell	1 review	2021
3. University of Washington	2 reviews	2022 – 2025
4. Wake Forest University	1 review	2023
5. University of Minnesota	1 review	2024

**Professional organization memberships**

1. American Heart Association		
(a) Council on Epidemiology and Prevention		2007 – present
(b) Council on Lifestyle and Cardiometabolic Health		2014 – 2024
(c) Stroke Council		2024 – present
2. Society for Epidemiologic Research		2014/15
3. Gerontological Society of America		2018/19

4. American Epilepsy Society 2019/20, 2024 – present

### PROFESSIONAL HONORS

1. Predoctoral fellowship, University of Washington School of Public Health 2007 – 2011  
CVD epidemiology training program, NHLBI T32 HL007902, PI: David S. Siscovick
2. Finalist, Jeremiah and Rose Stamler Research Award for New Investigators 2012  
American Heart Association Council on Epidemiology and Prevention
3. Student loan repayment award, NHLBI, NIH Loan Repayment Program 2012 – 2014
4. First place, Public Health Research Day faculty and staff poster competition 2013  
University of Alabama at Birmingham School of Public Health
5. Top Reviewer recognition, *American Journal of Preventive Medicine* 2015
6. Student loan repayment renewal award, NHLBI, NIH Loan Repayment Program 2015 – 2017
7. Outstanding Research Award, BYU College of Life Sciences 2020
8. Distinguished Service Award, BYU Gerontology Program 2023
9. Fellow of the American Heart Association (FAHA) 2025

### NON-PROFESSIONAL COMMUNITY SERVICE

1. The Church of Jesus Christ of Latter-day Saints, ordained elder serving in 1997 – present  
proselyting, ministerial, leadership, teaching, and service positions
2. American Red Cross, blood donor (> 50 blood donations) 2000 – present
3. Springwell Long-Term Care Ombudsman Program, ombudsman, Boston, MA 2005 – 2007
4. Boy Scouts of America  
(a) Scoutmaster and troop committee chair, Birmingham, AL 2011 – 2013  
(b) Troop committee member, varsity team coach, merit badge counselor, troop 2013 – 2019  
committee trainer, and assistant scoutmaster, Orem, UT  
*Second Miler award, Orem District, Utah National Parks Council, 2017*
5. American Cancer Society, Cancer Prevention Study-3 (CPS-3), participant 2012 – present
6. City of Orem, UT, block captain in citywide emergency preparedness plan 2015 – 2021