

CURRICULUM VITAE

Robert Alan Greevy, Jr, PhD

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EDUCATION

1997 BA with Mathematics Major, Hampshire College, Amherst, MA

2002 MA in Statistics, The Wharton School, University of Pennsylvania, Philadelphia, PA

2004 PhD in Statistics, The Wharton School, University of Pennsylvania, Philadelphia, PA
Dissertation: Noncompliance, Covariance Adjustment, and Matching in Randomized Clinical Trials. Advisor: Paul R. Rosenbaum.

ACADEMIC APPOINTMENTS

2018 – 2022 Director of Biostatistics Graduate Studies, Vanderbilt University Medical Center

2014 - present Director of Health Services Research Biostatistics, Vanderbilt University Medical Center

2013 - present Associate Professor, Department of Biostatistics, Vanderbilt University Medical Center

2004 – 2013 Assistant Professor, Department of Biostatistics, Vanderbilt University Medical Center

2004 - present Biostatistician, VA HSR, CRCoE, GRECC, VA Tennessee Valley Healthcare System, Nashville, TN

PROFESSIONAL ORGANIZATIONS

2006 - present The American Statistical Association (ASA)
Middle TN Chapter Secretary (2006 - 2008)
Book Review Editor for the Teaching Statistics in the Health Sciences Newsletter (2009 - 2015)

PROFESSIONAL ACTIVITIES

Intramural

Committees

Promotions Committee for Staff Biostatisticians

Founder and Chair (2007 - 2017), Member (2018 - 2022)

This committee was founded in 2007 to create a rigorous and fair system for the promotion of staff biostatisticians. The committee monitors and guides staff biostatisticians' professional development with periodic, in depth, individual progress reviews. The committee works to ensure the integrity of the annual performance evaluations through annual supervisor meetings. The committee worked with Human Resources to create the new position of Biostatistician IV to fill a key gap in the department's promotion opportunities. The committee has led the promotion of 16 department members to Biostatistician III, 2 to Biostatistician II, and 7 to the faculty level positions of Assistant in Biostatistics and Instructor in Biostatistics.

School of Medicine Faculty Advisory Council

Department of Biostatistics Representative (2007 - 2008)

Graduate Faculty Delegate Assembly

Member (2012-2013, 2018-2019)

Biostatistics Strategic Directions Committee

Member (2019 - present)

Graduate Program in Biostatistics Instruction Committee

Chair (2011 - present)

Graduate Program in Biostatistics Examination Committee

Member (2011 - present)

Faculty Search Committee

Member (2005 - present)

Biostatistics Clinics

Clinic Schedule Coordinator (2006 - 2007)

Communication Skills Committee

Co-chair (2006 - 2016)

Department of Biostatistics Satisfaction Survey Committee

Member (2007 - 2012)

Data Safety Monitoring Boards

Bringing to Light the Risk Factors and Incidence of Neuropsychological Dysfunction in ICU Survivors, Brain ICU Study. PI: Dr. Wesley Ely. (2006 - 2012)

Returning to Everyday Tasks Utilizing Rehabilitation Networks, RETURN study. PI: Dr. Wesley Ely. (2007 - 2010)

Delirium and Dementia in Veterans Surviving ICU Care, MIND-ICU Study. PI: Dr. Wesley Ely. (2006 - 2012)

The Public Private Partnership Addressing Literacy-Numeracy to Improve Diabetes Care, PRIDE Study. PI: Dr. Russell Rothman. (2010 - 2015)

Extramural

Ad hoc reviewer	American Journal of Epidemiology (2006, 2007, 2013) American Journal of Kidney Diseases (2015, 2015) Annals of Epidemiology (2015) Biometrics (2012) BMJ Open (2015, 2020) BMJ Open Diabetes Research and Care (2014, 2015, 2015) Contemporary Clinical Trials Communications (2020) Health Services and Outcomes Research Methodology (2005, 2011, 2012) JAMA Pediatrics (2021) Journal of the American Heart Association (2020, 2021) Journal of the American Medical Association (2015) Journal of the American Statistical Association (2011) Journal of Causal Inference (2015, 2016) Journal of Clinical Epidemiology (2009) Journal of Computational and Graphical Statistics (2010) Journal of Diabetes Science and Technology (2012) Journal of the Royal Statistical Society (2015, 2016, 2017, 2019) Kidney International (2016, 2017, 2019, 2020, 2020, 2020) Medical Care (2008, 2009) PLOS ONE (2016) Preventive Medicine (2006) Statistics and Probability Letters (2011) Statistics in Medicine (2008, 2011, 2012, 2013, 2014, 2015) The American Statistician (2011, 2012)
Federal Drug Administration	FDA Endocrinologic and Metabolic Drugs Advisory Committee (EMDAC) (Member, 2022 - present)
Grant Reviewer	PCORI's Treatment of Multiple Sclerosis Panel (Scientist Reviewer, 2015) PCORI's Partnerships to Conduct Research within PCORnet Merit Review (Scientist Reviewer, 2017)
Pro Bono Consultant	Developed restricted randomization for a three-arm cluster randomized trial conducted by <i>Innovations for Poverty Action</i> in Sierra Leone. (2011 - 2012)

TEACHING ACTIVITIES

Graduate School Courses	<p>Principles in Modern Biostatistics, BIOS 6311. Designed the inaugural class at Vanderbilt in 2009 and taught for eleven semesters. (each fall 2009 - 2019)</p> <p>Matching Methodology for Observational Studies and Randomized Trials: Advanced Methods for Epidemiology. Developed and taught the inaugural class at Vanderbilt University in 2011 and have continued teaching by request. (2011 spring, 2014 spring, 2014 fall, 2015 spring)</p>
Undergraduate Courses	<p>Introduction to Business Statistics, Statistics 101. Taught at the University of Pennsylvania. (2003 spring, 2003 fall)</p> <p>Introduction to Business Statistics, Statistics 102. Developed and taught at the University of Pennsylvania. (2000 summer)</p> <p>Introductory Statistics, Statistics 111. Developed and taught at the University of Pennsylvania. (2002 summer)</p> <p>Mathematical Statistics, Statistics 431. Developed and taught at the University of Pennsylvania. (2001 fall, 2002 fall)</p>
Seminars	<p>Randomization Inference in Covariance Adjustment in a Randomized Controlled Trial with Incomplete Longitudinal Data. Vanderbilt Department of Biostatistics (2004 March)</p> <p>Estimating the Biological Efficacy of a Treatment in an RCT with Noncompliance: An Application of Instrumental Variables in Randomization Inference. Vanderbilt Department of Biostatistics (2005 February)</p> <p>Optimally Matching on Many Covariates - the when, why, and how. Vanderbilt Center for Health Services Research and Nashville Veterans Administration HSR Biostatistics Seminar (2007 May)</p> <p>Optimal Multivariate Matching Before Randomization. Vanderbilt Department of Biostatistics (2007 September)</p> <p>Why you can't trust randomization - the importance of restricted randomization in RCTs. Vanderbilt MSCI Biostatistics I Lecture (2008 September)</p> <p>RMD Matching and Trickle in Entry in Matched Pairs Cluster Randomized Trials. Vanderbilt Department of Biostatistics (2011 September)</p>

Performing Optimal Nonbipartite Matching in R Using nbpMatching.
Vanderbilt Department of Biostatistics (2011 October)

Programming Tips For Statisticians. Vanderbilt Department of Biostatistics
Statistical Computing Series (2011 December)

Matched Randomization in Cluster Randomized Large Sample Trials.
Vanderbilt Center for Health Services Research and Nashville Veterans
Administration HSR Biostatistics Seminar (2012 February)

A Basic Introduction to Marginal Structural Models. Vanderbilt Center for
Health Services Research and Nashville Veterans Administration HSR
Biostatistics Seminar (2013 May)

Workshop: designing robust studies for reducing model dependence, with
Laurie Samuels. Vanderbilt Center for Health Services Research and
Nashville Veterans Administration HSR Biostatistics Seminar (2014 June)

Why the Bonferroni Correction Doesn't Justify Smoking Pot: advocating for
sensible discussions of multiple comparisons issues. Vanderbilt Center for
Health Services Research and Nashville Veterans Administration HSR
Biostatistics Seminar (2014 October)

Drunk on Power: how worrying about multiple comparisons may encourage
more sober statistical practices. Vanderbilt Center for Health Services
Research and Nashville Veterans Administration HSR Biostatistics Seminar
(2014 December)

The media isn't the only thing that's biased, part 1: time-related biases in
health services research. Vanderbilt Center for Health Services Research and
Nashville Veterans Administration HSR Biostatistics Seminar (2015 January)

The media isn't the only thing that's biased, part 2: common biases and
limitations in health services research. Vanderbilt Center for Health Services
Research and Nashville Veterans Administration HSR Biostatistics Seminar
(2015 March)

Hypoglycemia and decision fatigue: examining the many design decisions of
an EHR study. Vanderbilt Center for Health Services Research and Nashville
Veterans Administration HSR Biostatistics Seminar (2015 May)

So, will eating chocolate help me lose weight or not?! -- a discussion of
'Chocolate as a weight-loss accelerator' and 'I fooled millions into thinking
chocolate helps weight loss.'

Vanderbilt Center for Health Services Research and Nashville Veterans

Administration HSR Biostatistics Seminar (2015 June)

Sensitivity to Unmeasured Confounding - Guidance for Performing Simple 'Rule Out' Analyses

Vanderbilt Center for Health Services Research and Nashville Veterans Administration HSR Biostatistics Seminar (2015 November)

Propensity Scores and Related Methods Series

Part 1 – introduction and foundation (2015 August, 2019 April)

Part 2 – matching methodology (2015 September, 2019 June)

Part 3 – matching best practices (2015 October)

Part 4 – PS weighting introduction (2016 February)

Part 5 – PS weighting best practices (2016 March)

Part 6 – methods for three or more exposure arms (2016 May)

Part 7 – tripping over the tail, a challenge in PS based analyses (2016 June)

Part 8 – advances in PS based analyses (with Dr. Samuels, 2016 August)

Vanderbilt Center for Health Services Research and Nashville Veterans Administration HSR Biostatistics Seminar Series

Why aren't we all taking metformin to prevent cancer? A lesson in HSR study design. Vanderbilt Center for Health Services Research and Nashville Veterans Administration HSR Biostatistics Seminar (2018 February)

So who should be taking metformin to prevent cancer? A lesson in Better HSR study design. Vanderbilt Center for Health Services Research and Nashville Veterans Administration HSR Biostatistics Seminar (2018 April)

Hypoglycemia and decision fatigue: examining the many design decisions of an EHR study. Vanderbilt Center for Health Services Research and Nashville Veterans Administration HSR Biostatistics Seminar (2018 May)

Prespecifying Clinical Significance with the Second-generation P-value
Vanderbilt Center for Health Services Research and Nashville Veterans Administration HSR Biostatistics Seminar (2018 October)

Explaining Clinical Significance with the Second-generation P-value
Vanderbilt Center for Health Services Research and Nashville Veterans Administration HSR Biostatistics Seminar (2018 November)

Clinical Trials and Related Methods Series

Part 1 – Randomization Balances Covariates - not so fast (2020 August)

Part 2 – RCTs - why “R” and “C” are so important (2020 September)

Part 3 – What is Statistical Power:

and why we shouldn't use it (2020 October)

Part 4 – Taking Type I Error Too Far (2021 January)

- Part 5 – What to Do Instead of Bonferroni: and why (2021 February)
- Part 6 – When You See Your Randomization Going Wrong: Monitoring and Intervening on Covariate Balance in RCTs (2021 March)
- Part 7 – Unmeasured Confounding: causes, consequences, and analyses (2021 April)

Vanderbilt Center for Health Services Research and Nashville Veterans Administration HSR Biostatistics Seminar Series

Masks or Ivermectin: comparing levels of evidence
 CCQIR Scholarly Series, Vanderbilt Center for Clinical Quality and Implementation Research (2021 October)

Rescuing Randomized Trials: How to Detect and Correct Unlucky Randomizations as They Occur
 Vanderbilt Department of Biostatistics (2021 November)

How to Write a Great Personal Statement
 Vanderbilt Summer Internship Program for Underrepresented Undergraduates (2022 June)

How to Have a Great Personal Interval
 Vanderbilt Summer Internship Program for Underrepresented Undergraduates (2022 June)

Students

Laurie Samuels, PhD in Biostatistics (2016, advisor)
 Lucy D’Agostino McGowan, PhD in Biostatistics (2018, advisor)
 Jonathan Chipman, PhD in Biostatistics (2019, advisor)

Derek Smith, PhD in Biostatistics (2016, member)
 Sarah Fletcher Mercaldo, PhD in Biostatistics (2017, member)
 Andrew Wiese, PhD in Epidemiology (2017, member)
 Jea Young Min, PhD in Epidemiology (2018, member)
 Josh DeClercq, MS in Biostatistics (2018, member)
 Brooklyn Stanley, MS in Biostatistics (2019, member)
 Sharon Davis, PhD in Biomedical Informatics (2019, member)
 Meredith Duncan, PhD in Epidemiology (2020, member)

RESEARCH PROGRAM

Ongoing Research Support

5R03DK113329-02 (Mayberry)	03/01/2017 – 02/28/2019	0.60 calendar months
NIDDK	\$50,000	

Diabetes Specific Family Functioning Among Adults: Types, Predictors, and Outcomes
Role: Co-investigator.

5R01DK100694-06 (Mayberry) 05/03/2016 – 04/30/2019 1.20 calendar months
NIDDKD \$434,150
Improving Medication adherence among underserved Patients with type 2 Diabetes
Role: Key personnel

VUMC31304 VA (Roumie) 07/01/2013 – 08/31/2018 2.43 calendar months
Veterans Administration \$70,748
Effectiveness of Second Line Hypoglycemic Medications Among Veterans
Role: Biostatistician

VUMC VA (Siew) 07/01/2015-08/31/2020 1.80 calendar months
Veterans Administration
Improving Safety and Quality of Care Among Veterans Following Acute Kidney Injury
Role: Biostatistician

Completed (selected from last 3 years)

5R01AG043471-06 (Grijalva) 04/30/2016 – 05/31/2018
NIH/NIA \$187,190
Opioid Selection and the Risk of Serious Infections in Older Adults

Internal funding (Tindle) 02/05/2015-04/30/2018
NCI \$22,098
Connect to Quit: Coordinated Care for Smoking Cessation among Low Income Veterans

VUMC /A2902010000161 (Griffin) 08/01/2015-11/01/2015
HHS
Comparative Effectiveness DEcIDE-2 Consortia Task Order 2

VUMC 42609 (R-1306-04869) (Rothman) 09/10/2017-09/09/2018
PCORI \$1,460,890
The Mid-South Clinical Data Research Network

PUBLICATIONS AND PRESENTATIONS

Peer Reviewed Journal Papers

1. Greevy, R., Lu, B., Silber, J. H., Rosenbaum, P.
Optimal multivariate matching before randomization. Biostatistics. (2004)

2. Greevy, R., Silber, J. H., Cnaan, A., Rosenbaum, P.
Randomization inference with imperfect compliance in the ACE-inhibitor after anthracycline randomized trial. *Journal of the American Statistical Association*. (2004)
3. Umlauf, M. G., Chasens, E. R., Greevy, R., Arnold, J., Burgio, K. L., Pillion, D. J.
Obstructive sleep apnea, nocturia and polyuria in older adults. *Sleep*. (2004)
4. Roumie, C. L., Elasy, T. A., Greevy, R., Griffin, M. R., Liu, X., Stone, W. J., Wallston, K. A., Dittus, R. S., Alvarez, V., Cobb, J., and others.
Improving blood pressure control through provider education, provider alerts, and patient education: a cluster randomized trial. *Annals of Internal Medicine*. (2006)
5. Murff, H. J., Peterson, N. B., Greevy, R., Zheng, W.
Impact of patient age on family cancer history. *Genetics in Medicine*. (2006)
6. Brown, S. H., Speroff, T., Fielstein, E. M., Bauer, B. A., Wahner-Roedler, D. L., Greevy, R., Elkin, P. L.
eQuality: electronic quality assessment from narrative clinical reports.
Mayo Clinic Proceedings 81. (2006)
7. Boord, J. B., Sharifi, M., Greevy, R. A., Griffin, M. R., Lee, V. K., Webb, T. A., May, M. E., Waitman, L. R., May, A. K., Miller, R. A.
Computer-based insulin infusion protocol improves glycemia control over manual protocol. *Journal of the American Medical Informatics Association*. (2007)
8. Murff, H. J., Greevy, R. A., Syngal, S.
The comprehensiveness of family cancer history assessments in primary care.
Public Health Genomics. (2007)
9. Jackson, J. C., Obrebsky, W., Bauer, R., Greevy, R., Cotton, B. A., Anderson, V., Song, Y., Ely, E. W.
Long-term cognitive, emotional, and functional outcomes in trauma intensive care unit survivors without intracranial hemorrhage. *Journal of Trauma and Acute Care Surgery*. (2007)
10. Roumie, C. L., Elasy, T. A., Wallston, K. A., Pratt, S., Greevy, R. A., Liu, X., Alvarez, V., Dittus, R. S., Speroff, T.
Clinical inertia: a common barrier to changing provider prescribing behavior.
The Joint Commission Journal on Quality and Patient Safety. (2007)
11. Murff, H. J., Peterson, N. B., Greevy, R. A., Shrubsole, M. J., Zheng, W.
Early initiation of colorectal cancer screening in individuals with affected first-degree relatives. *Journal of General Internal Medicine*. (2007)
12. Talbot, T. R., Tejedor, S. C., Greevy, R. A., Burgess, H., Williams, M. V., Deshpande, J. K., McFadden, P., Weinger, M. B., Englebright, J., Dittus, R. S., others.

Survey of infection control programs in a large national healthcare system.
Infection Control and Hospital Epidemiology. (2007)

13. Schuberth, J., Elasy, T., Butler, J., Greevy, R., Speroff, T., Dittus, R., Roumie, C.
Effect of short call admission on length of stay and quality of care for acute decompensated heart failure. *Circulation*. (2008)

14. Boord, J. B., Greevy, R. A., Braithwaite, S. S., Arnold, P. C., Selig, P. M., Brake, H., Cuny, J., Baldwin, D.
Evaluation of hospital glycemic control at US academic medical centers. *Journal of Hospital Medicine: An Official Publication of the Society of Hospital Medicine* 4, 35-44 (2009)

15. LaFleur, B., Greevy, R.
Introduction to Permutation and Resampling-Based Hypothesis Tests.
Journal of Clinical Child and Adolescent Psychology. (2009)

16. Pini, T. M., Griffin, M. R., Roumie, C. L., Huizinga, M. M., Fowke, J. H., Greevy, R., Liu, X., Murff, H. J.
Use of thiazolidinediones does not affect prostate-specific antigen levels in men with diabetes. *Cancer Epidemiology and Prevention Biomarkers*. (2009)

17. Speroff, T., Nwosu, S., Greevy, R., Weinger, M., Talbot, T., Wall, R., Deshpande, J., France, D., Ely, E., Burgess, H., and others.
Organisational culture: variation across hospitals and connection to patient safety climate.
BMJ Quality and Safety. (2010)

18. Huizinga, M. M., Roumie, C. L., Greevy, R. A., Liu, X., Murff, H. J., Hung, A. M., Grijalva, C. G., Griffin, M. R.
Glycemic and weight changes after persistent use of incident oral diabetes therapy: a Veterans Administration retrospective cohort study.
Pharmacoepidemiology and Drug Safety. (2010)

19. Archer, K., Jackson, J., Bauer, R., Abraham, C., Guillaumondegui, O., Ely, W., Greevy, R., Song, Y., Obremskey, W.
Pain and Disability 2 Years after Traumatic Injury: The Role of Fear-avoidance and Pain Catastrophizing. *Journal of Orthopaedic and Sports Physical Therapy*. (2010)

20. France, D. J., Greevy, R., Liu, X., Burgess, H., Dittus, R. S., Weinger, M. B., Speroff, T.
Measuring and comparing safety climate in intensive care units. *Medical Care*. (2010)

21. Lu, B., Greevy, R., Xu, X., Beck, C.
Optimal nonbipartite matching and its statistical applications. *The American Statistician*. (2011)

22. Roumie, C. L., Greevy, R., Wallston, K. A., Elasy, T. A., Kaltenbach, L., Kotter, K., Dittus, R. S., Speroff, T.

Patient centered primary care is associated with patient hypertension medication adherence. *Journal of Behavioral Medicine*. (2011)

23. Greevy, R., Huizinga, M. M., Roumie, C., Grijalva, C., Murff, H., Liu, X., Griffin, M. Comparisons of persistence and durability among three oral antidiabetic therapies using electronic prescription-fill data: the impact of adherence requirements and stockpiling. *Clinical Pharmacology and Therapeutics*. (2011)

24. Jackson, J. C., Sinnott, P. L., Marx, B. P., Murdoch, M., Sayer, N. A., Alvarez, J. M., Greevy, R. A., Schnurr, P. P., Friedman, M. J., Shane, A. C., and others.

Variation in practices and attitudes of clinicians assessing PTSD-related disability among veterans. *Journal of Traumatic Stress*. (2011)

25. Roumie, C. L., Huizinga, M. M., Liu, X., Greevy, R. A., Grijalva, C. G., Murff, H. J., Hung, A. M., Griffin, M. R.

The effect of incident antidiabetic regimens on lipid profiles in veterans with type 2 diabetes: a retrospective cohort. *Pharmacoepidemiology and Drug Safety*. (2011)

26. Speroff, T., Ely, E. W., Greevy, R., Weinger, M. B., Talbot, T. R., Wall, R. J., Deshpande, J. K., France, D. J., Nwosu, S., Burgess, H., and others.

Quality improvement projects targeting health care--associated infections: Comparing virtual collaborative and toolkit approaches. *Journal of Hospital Medicine*. (2011)

27. Hung, A. M., Ikizler, T. A., Griffin, M. R., Glenn, K., Greevy, R. A., Grijalva, C. G., Siew, E. D., Crawford, D. C.

CRP polymorphisms and chronic kidney disease in the third national health and nutrition examination survey. *BMC Medical Genetics*. (2011)

28. Lu, B., Greevy, R., Xu, X., Beck, C.

Optimal Nonbipartite Matching and Its Statistical Applications.

The American Statistician. (2011)

29. Roumie, C. L., Hung, A. M., Greevy, R. A., Grijalva, C. G., Liu, X., Murff, H. J., Elasy, T. A. and Griffin, M. R.

Comparative effectiveness of sulfonylurea and metformin monotherapy on cardiovascular events in type 2 diabetes mellitus: a cohort study. *Annals of Internal Medicine*. (2012)

30. Hung, A. M., Roumie, C. L., Greevy, R. A., Liu, X., Grijalva, C. G., Murff, H. J., Ikizler, T. A. and Griffin, M. R.

Comparative effectiveness of incident oral antidiabetic drugs on kidney function. *Kidney International*. (2012)

31. Roumie, C. L., Liu, X., Choma, N. N., Greevy, R. A., Hung, A. M., Grijalva, C. G. and Griffin, M. R.

Initiation of sulfonylureas versus metformin is associated with higher blood pressure at one year. *Pharmacoepidemiology and Drug Safety*. (2012)

32. Speroff, T., Sinnott, P. L., Marx, B., Owen, R. R., Jackson, J. C., Greevy, R., Sayer, N., Murdoch, M., Shane, A. C., Smith, J., and others.
Impact of evidence-based standardized assessment on the disability clinical interview for diagnosis of service-connected PTSD: A cluster-randomized trial. *Journal of traumatic stress* 25, 607-615 (2012)
33. Greevy Jr, R. A., Grijalva, C. G., Roumie, C. L., Beck, C., Hung, A. M., Murff, H. J., Liu, X., Griffin, M. R.
Rewighted Mahalanobis distance matching for cluster-randomized trials with missing data. *Pharmacoepidemiology and Drug Safety* 21, 148-154 (2012)
34. Choma, N. N., Griffin, M. R., Kaltenbach, L. A., Greevy, R. A., Roumie, C. L.
Blood pressure control among patients with hypertension and newly diagnosed diabetes. *Diabetic Medicine* 29. (2012)
35. Hung, A. M., Roumie, C. L., Greevy, R. A., Liu, X., Grijalva, C. G., Murff, H. J., Griffin, M.
Kidney function decline in metformin versus sulfonylurea initiators: assessment of time-dependent contribution of weight, blood pressure, and glycemic control. *Pharmacoepidemiology and Drug Safety*. (2013)
36. Niesner, K., Murff, H. J., Griffin, M. R., Wasserman, B., Greevy, R., Grijalva, C. G., Roumie, C. L.
Validation of Veterans Health Administration administrative data algorithms for the identification of cardiovascular hospitalization and covariates. *Epidemiology*. (2013)
37. Roumie, C. L., Greevy, R. A., Grijalva, C. G., Hung, A. M., Liu, X., Murff, H. J., Elasy, T. A., Griffin, M. R.
Association between intensification of metformin treatment with insulin vs sulfonylureas and cardiovascular events and all-cause mortality among patients with diabetes. *JAMA*. (2014)
38. Murff, H. J., Roumie, C. L., Greevy, R. A., Grijalva, C. G., Hung, A. H., Liu, X., Griffin, M.
Thiazolidinedione and metformin use and the risk of benign prostate hyperplasia in veterans with diabetes mellitus. *Journal of men's health*. (2014)
39. Grijalva, C. G., Roumie, C. L., Murff, H. J., Hung, A. M., Beck, C., Liu, X., Griffin, M. R., Greevy Jr, R. A.
The role of matching when adjusting for baseline differences in the outcome variable of comparative effectiveness studies. *Journal of comparative effectiveness research*. (2015)
40. Birdee, G. S., Ikizler, T. A., Wheeler, A., Bossart, C., Wertenbaker, D., Gregory, B., Buchowski, M. S., Greevy, R. A., Sohl, S. J., Jorif, M., and others.
Yoga combined with health education for risk reduction of metabolic syndrome: a randomized controlled pilot feasibility study. *Journal of Diabetes and Metabolism*. (2015)

41. Roumie, C. L., Min, J. Y., Greevy, R. A., Grijalva, C. G., Hung, A. M., Liu, X., Elasy, T., Griffin, M. R.
Risk of hypoglycemia following intensification of metformin treatment with insulin versus sulfonylurea. *Canadian Medical Association Journal*. (2016)
42. Min, J. Y., Griffin, M. R., Hung, A. M., Grijalva, C. G., Greevy, R. A., Liu, X., Elasy, T., Roumie, C. L.
Comparative effectiveness of insulin versus combination sulfonylurea and insulin: a cohort study of veterans with type 2 diabetes. *Journal of general internal medicine*. (2016)
43. Roumie, C. L., Greevy, R. A., Grijalva, C. G., Hung, A. M., Liu, X., Griffin, M. R.
Diabetes treatment intensification and associated changes in HbA1c and body mass index: a cohort study. *BMC endocrine disorders*. (2016)
44. Hung, A. M., Roumie, C. L., Greevy, R. A., Grijalva, C. G., Liu, X., Murff, H. J., Ikizler, T. A., Griffin, M. R.
Comparative effectiveness of second-line agents for the treatment of diabetes type 2 in preventing kidney function decline.
Clinical Journal of the American Society of Nephrology. (2016)
45. Roumie, C. L., Min, J. Y., D'Agostino McGowan, L., Presley, C., Grijalva, C. G., Hackstadt, A. J., Hung, A. M., Greevy, R. A., Elasy, T., Griffin, M. R.
Comparative safety of sulfonylurea and metformin monotherapy on the risk of heart failure: a cohort study. *Journal of the American Heart Association*. (2017)
46. Wells, Q. S., Freiberg, M. S., Greevy Jr, R. A., Tyndale, R. F., Kundu, S., Duncan, M. S., King, S., Abney, L., Scoville, E., Beaulieu, D. B., and others.
Nicotine metabolism-informed care for smoking cessation: a pilot precision RCT. *Nicotine and Tobacco Research*. (2017)
47. Parr, S. K., Matheny, M. E., Abdel-Kader, K., Greevy Jr, R. A., Bian, A., Fly, J., Chen, G., Speroff, T., Hung, A. M., Ikizler, T. A., and others.
Acute kidney injury is a risk factor for subsequent proteinuria. *Kidney International*. (2018)
48. Blume, J. D., McGowan, L. D., Dupont, W. D., Greevy Jr, R. A.
Second-generation p-values: Improved rigor, reproducibility, and transparency in statistical analyses. *PLoS One*. (2018)
49. Bansal, N., Matheny, M. E., Greevy Jr, R. A., Eden, S. K., Perkins, A. M., Parr, S. K., Fly, J., Abdel-Kader, K., Himmelfarb, J., Hung, A. M., and others.
Acute kidney injury and risk of incident heart failure among US veterans.
American Journal of Kidney Diseases. (2018)

50. Hung, A. M., Siew, E. D., Wilson, O. D., Perkins, A. M., Greevy, R. A., Horner, J., Abdel-Kader, K., Parr, S. K., Roumie, C. L., Griffin, M. R., and others.
Risk of hypoglycemia following hospital discharge in patients with diabetes and acute kidney injury. *Diabetes Care*. (2018)
51. Bachmann, J. M., Duncan, M. S., Shah, A. S., Greevy Jr, R. A., Lindenfeld, J., Keteyian, S. J., Thomas, R. J., Whooley, M. A., Wang, T. J., Freiberg, M. S.
Association of cardiac rehabilitation with decreased hospitalizations and mortality after ventricular assist device implantation. *JACC: Heart Failure*. (2018)
52. Wiese, A. D., Griffin, M. R., Schaffner, W., Stein, C. M., Greevy, R. A., Mitchel, E. F., Grijalva, C. G.
Opioid analgesic use and risk for invasive pneumococcal diseases: a nested case--control study. *Annals of Internal Medicine*. (2018)
53. Thomas, S. C., Greevy Jr, R. A., Garson Jr, A.
Effect of Grand-Aides Nurse Extenders on Readmissions and Emergency Department Visits in Medicare Patients With Heart Failure. *The American journal of cardiology*. (2018)
54. Presley, C. A., Min, J. Y., Chipman, J., Greevy, R. A., Grijalva, C. G., Griffin, M. R., Roumie, C. L.
Validation of an algorithm to identify heart failure hospitalisations in patients with diabetes within the veterans health administration. *BMJ Open*. (2018)
55. Bachmann, J. M., Shah, A. S., Duncan, M. S., Greevy Jr, R. A., Graves, A. J., Ni, S., Ooi, H. H., Wang, T. J., Thomas, R. J., Whooley, M. A., and others.
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4. Greevy RA. Matched Randomization in RCTs where Subjects Trickle in One at a Time or in Small Batches. 9th International Conference on Health Policy Statistics. Cleveland, Ohio. (Invited, October 2011)
5. Greevy RA. Matched Randomization in Cluster Randomized Large Sample Trials. UAB New Analytical Methods in Comparative Effectiveness Research Symposia. University of Alabama at Birmingham. Birmingham, Alabama. (Keynote, February 2012)
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