

Curriculum Vitae
KRISTI REYNOLDS, PhD, MPH

ADDRESS

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EDUCATION

- B.S. Boise State University, Boise, Idaho (Environmental Health)
- M.P.H. Tulane University School of Public Health and Tropical Medicine,
New Orleans, Louisiana (Epidemiology)
- Ph.D. Tulane University Graduate School, New Orleans, Louisiana (Epidemiology)

RESEARCH INTERESTS

- Chronic disease epidemiology
- Prevention and etiology of obesity, diabetes, end-stage renal disease, hypertension, stroke, and atrial fibrillation
- Meta-analysis
- Medication adherence

APPOINTMENTS

- 2007- **Research Scientist / Epidemiologist**
Department of Research and Evaluation
Southern California Permanente Medical Group
Pasadena, California
- 2005-07 **Assistant Professor**
Department of Epidemiology
Tulane University School of Public Health & Tropical Medicine
New Orleans, Louisiana
- 2003-04 **Clinical Research Coordinator/Doctoral Research Fellow**
Department of Epidemiology, Tulane University School of Public Health &
Tropical Medicine, New Orleans, Louisiana
- 2000-02 **Research Assistant / Teaching Assistant**
Department of Epidemiology, Tulane University School of Public Health &
Tropical Medicine, New Orleans, Louisiana

AWARDS AND HONORS

- 2001 Delta Omega Public Health Honor Society, Eta Chapter
- 2002 Dean of School of Public Health and Tropical Medicine Award for Excellence in Presentation by a Public Health Doctoral Student
- 2003 Jeremiah and Rose Stamler Research Award for New Investigators, Finalist American Heart Association, 43rd Annual Conference on Cardiovascular Disease Epidemiology and Prevention
- 2003 Population Research Award in Epidemiology, School of Public Health and Tropical Medicine
- 2003 Mary Elizabeth O'Connor Scholarship, Department of Epidemiology, Tulane University School of Public Health and Tropical Medicine
- 2003 CNN Guest Appearance, "Alcohol Consumption and Risk of Stroke", *Weekend House Call*
- 2003-04 Who's Who Among Students in American Universities & Colleges
- 2004 Dorothy R. LeBlanc Scholarship, Department of Epidemiology, Tulane University School of Public Health and Tropical Medicine
- 2008 Finalist, American Heart Association, Scientific Sessions 2008 Poster Competition in Population Science
- 2009 Outstanding Reviewer Recognition, *Pharmacoeconomics and Drug Safety*

ACADEMIC AND ADVISORY BOARD COMMITTEES

- 2005-07 Member, Louisiana Diabetes Advisory Committee
- 2006-07 Member, Curriculum Committee, Tulane University School of Public Health and Tropical Medicine
- 2007-10 Member, Technology Advisory Committee, Research and Evaluation, Kaiser Permanente
- 2007-09 Member, Center for Education, Technology and Career Development Advisory Committee of the Clinical Translational Science Institute, University of Southern California
- 2008-10 Chair, Website Committee, Research and Evaluation, Kaiser Permanente
- 2008-10 Member, Data and Safety Monitoring Board, "Macronutrient and Heart Disease Risk" (MACRO) study. Lydia Bazzano, PI. Tulane University School of Public Health and Tropical Medicine
- 2008- Member, Medication Adherence Steering Committee, Kaiser Permanente Southern California
- 2011- Member, Communications and Website Committee, Research and Evaluation, Kaiser Permanente
- 2011- Member, Database Scientific Oversight Committee (DSOC), Research and Evaluation, Kaiser Permanente
- 2011- Member, American Heart Association Quality of Care and Outcomes Research in Cardiovascular Disease and Stroke Program Committee

PROFESSIONAL ASSOCIATIONS

- 2002- American Heart Association
- 2005- American Diabetes Association
- 2005- The Obesity Society

- 2007 Society for Epidemiologic Research
- 2010- International Epidemiological Association
- 2011- American Society of Hypertension

PROFESSIONAL SERVICE

- 2012- Planning Committee Member, AHA Quality of Care and Outcomes Research in Cardiovascular Disease and Stroke Program Committee
- 2012 Panelist, AHA Quality of Care and Outcomes Research in Cardiovascular Disease and Stroke Program Grant Review Workshop

EDITORIAL POSITIONS

- 2009-11 *Diabetes Care*, Editorial Board Member
- 2010- *Hypertension*, Editorial Board Member

Ad Hoc Journal Reviewer:

Addiction, Diabetes Care, Hypertension, Journal of Hypertension, Obesity Research, Women and Health, Obesity, American Journal of Epidemiology, JAMA, Journal of the American College of Nutrition, American Journal of Kidney Diseases, Diabetes Research and Clinical Practice, Public Health, European Heart Journal, Journal of the American Society of Nephrology, Circulation, Pharmacoepidemiology and Drug Safety, American Journal of Clinical Nutrition, Circulation: Heart Failure, Circulation: Cardiovascular Quality and Outcomes, Cerebrovascular Diseases, Journal of Internal Medicine, Stroke, The Lancet, Cardiology Research & Prevention, Annals of Epidemiology, Journal of Diabetes and its Complications, Pediatrics, International Journal of Epidemiology, Public Health Nutrition

REVIEW COMMITTEES

- 2008 Reviewer, American Heart Association, Scientific Sessions
- 2009 Session Moderator/Co-Chair, *Diabetes*, HMORN annual meeting
- 2009 Reviewer, Society for Epidemiologic Research annual meeting
- 2009 Session Co-Chair, *Cardiovascular Disease Disparities*, Society for Epidemiologic Research
- 2009 Reviewer, American Heart Association, Scientific Sessions
- 2010 Reviewer, Society of Epidemiologic Research annual meeting
- 2010 Reviewer, HMORN Research annual meeting
- 2010 Reviewer, American Heart Association, Scientific Sessions
- 2011 Reviewer, Society of Epidemiologic Research annual meeting
- 2011 Reviewer, American Heart Association, Scientific Sessions
- 2011 Session Moderator, *Diabetes/Cardiovascular Disease*, The Clinical and Translational Science Partnership Conference presented by the Southern California Clinical and Translational Science Institute
- 2012 Reviewer, Society of Epidemiologic Research annual meeting
- 2012 Reviewer, American Heart Association, Quality of Care and Outcomes Research Scientific Sessions
- 2012 Reviewer, HMORN Research annual meeting
- 2012 Session Moderator, Cardiovascular Disease, HMORN Annual Meeting
- 2012 Reviewer, American Heart Association, Scientific Sessions

Grant Reviews

- 2010 Population Sciences and Epidemiology Integrated Review Group, Special Emphasis Panel Review of Member Applications involving members of the BGES, CASE or KNOD Study Sections, National Institutes of Health
- 2011 Einstein Mentored Clinical and Translational Research Career Development Award, Albert Einstein College of Medicine

TEACHING

- November 2003 Guest Lecturer, Nutrition and Chronic Disease: “Alcohol and Cardiovascular Disease.” Dept. of Epidemiology, Tulane University School of Public Health and Tropical Medicine, New Orleans, LA
- November 2004 Guest Lecturer, Meta-Analysis: “Bias in Meta-Analysis.” Dept. of Epidemiology, Tulane University School of Public Health and Tropical Medicine
- February 2005 Guest Lecturer, Cardiovascular Disease Epidemiology: “Obesity and Cardiovascular Disease.” Dept. of Epidemiology, Tulane University School of Public Health and Tropical Medicine
- February 2005 Guest Lecturer, Cardiovascular Disease Epidemiology: “Overview of Type 2 Diabetes and Insulin Resistance.” Dept. of Epidemiology, Tulane University School of Public Health and Tropical Medicine
- April 2005 Guest Lecturer, Cardiovascular Disease Epidemiology: “Epidemiology of Stroke.” Dept. of Epidemiology, Tulane University School of Public Health and Tropical Medicine
- July 2005 Co-Director, Nutritional Epidemiology. Dept. of Epidemiology, Tulane University School of Public Health and Tropical Medicine
- February 2006 Guest Lecturer, Cardiovascular Disease Epidemiology: “Obesity and Cardiovascular Disease.” Dept. of Epidemiology, Tulane University School of Public Health and Tropical Medicine
- February 2006 Guest Lecturer, Cardiovascular Disease Epidemiology: “Overview of Type 2 Diabetes and Insulin Resistance.” Dept. of Epidemiology, Tulane University School of Public Health and Tropical Medicine
- Aug-Dec 2006 Course Director, Meta-Analysis. Dept. of Epidemiology, Tulane University School of Public Health and Tropical Medicine
- February 2007 Guest Lecturer, Cardiovascular Disease Epidemiology: “Obesity and Cardiovascular Disease.” Dept. of Epidemiology Tulane University School of Public Health and Tropical Medicine
- April 2010 Guest Lecturer, Research Methods and Biostatistics for the Clinical Investigator: “Case-Control and Case Cross-Over Studies,” Kaiser Permanente Los Angeles Medical Center
- June 2010 Guest Lecturer, Research Methods and Biostatistics for the Clinical Investigator: “Meta-Analysis: an overview.” Kaiser Permanente Los Angeles Medical Center

ADVISING

PhD Students

Dissertation Committee Member

- 2002-06 Patricia Kearney, MD, MPH, Tulane University School of Public Health and Tropical Medicine
Large-scale assessments of the relevance of clinical and plasma factors for risk reductions with cholesterol-lowering therapy
Chair, Jiang He, MD, PhD
- 2011-12 Casey Rebholz, MPH, Tulane University School of Public Health and Tropical Medicine
The effect of soybean protein on novel cardiovascular disease risk factors
Chair, Jiang He, MD, PhD

MPH Students (without theses)

- 2005 Daniel Figueras
Nigel Lewis
- 2006 Meredith Hodges
- 2007 Melissa Schwickrath
- 2008 Nitesh Kuhadiya

PUBLICATIONS

Manuscripts

1. Gu D, **Reynolds K**, Wu X, Chen J, Duan X, Muntner P, Huang G, Reynolds R, Su S, Whelton PK, He J. Prevalence, awareness, treatment and control of hypertension in China. *Hypertension*. 2002;40:920-927.
2. **Reynolds K**, Lewis B, Nolen JDL, Kinney GL, Sathya B, He J. Alcohol consumption and risk of stroke: a meta-analysis of observational studies. *JAMA*. 2003;289:579-588.
3. **Reynolds K**, Gu D, Muntner P, Wu X, Chen J, Huang G, Duan X, Whelton PK, He J. Geographic variations in the prevalence, awareness, treatment and control of hypertension in China. *J Hyperten*. 2003;21:1273-1281.
4. Gu D, **Reynolds K**, Duan X, Xin X, Chen J, Wu X, Mo J, Whelton PK, He J. Prevalence of diabetes and impaired fasting glucose in the Chinese Adult Population: International Collaborative Study of Cardiovascular Disease in Asia (InterASIA). *Diabetologia*. 2003;46:1190-1198.
5. Kearney PM, Whelton M, **Reynolds K**, Whelton PK, He J. Worldwide prevalence of hypertension. A systematic review. *J Hyperten*. 2004;22:11-19.
6. He J*, Gu D*, **Reynolds K**, Wu X, Muntner P, Zhao J, Chen J, Liu D, Mo J, Whelton P. Serum total and lipoprotein cholesterol levels and awareness, treatment and control of hypercholesterolemia in China. *Circulation*. 2004;110:405-411. [the first 2 authors contributed equally to this work]
7. Gu D, Wu X, **Reynolds K**, Duan X, Xin X, Reynolds RF, Whelton PK, He J. Cigarette smoking and exposure to environmental tobacco smoke in China: the International collaborative study of cardiovascular disease in Asia. *Am J Pub Health*. 2004;94:1972-1976. PMID: PMC1448571.

8. Wildman RP, Gu D, **Reynolds K**, Duan X, He J. Appropriate body mass index and waist circumference cut-points for categorization of overweight and central obesity among Chinese adults. *Am J Clin Nutr.* 2004;80:1129-1136.
9. Chen J, Wildman RP, Hamm LL, Muntner P, **Reynolds K**, Whelton PK, He J. Association between inflammation and insulin resistance in U.S. non-diabetic adults: results from the Third National Health and Nutrition Examination Survey. *Diabetes Care.* 2004;27:2960–2968.
10. Kearney PM, Whelton M, **Reynolds K**, Whelton PK, He J. Global burden of hypertension. *Lancet.* 2005;365:217-223.
11. Gu D*, **Reynolds K***, Wu X, Chen J, Duan X, Whelton PK, He J*. Prevalence of the metabolic syndrome and overweight among Adults in China. *Lancet.* 2005;365:1398-1405. [***these authors contributed equally to this work**]
12. Muntner P, Wildman RP, **Reynolds K**, DeSalvo KB, Chen J, Fonseca V. Relationship between glycosylated hemoglobin level and peripheral arterial disease. *Diabetes Care.* 2005;28:1981-1987.
13. He J*, Gu D*, Wu X, **Reynolds K**, Duan X, Yao C, Wang J, Chen CS, Chen J, Wildman RP, Klag MJ, Whelton PK. Major causes of death among men and women in China. *N Engl J Med.* 2005;353:1124-1134. [***these authors contributed equally to this work**]
14. Chen J, Wildman RP, Gu D, Kusek J, Spruill M, **Reynolds K**, Liu D, Hamm LL, Whelton PK, He J. Prevalence of decreased kidney function in Chinese adults aged 35-74 years. *Kidney Int.* 2005;68:2837-2845.
15. Wildman RP, Gu D, **Reynolds K**, Duan X, Wu X, He J. Are waist circumference and body mass index independently associated with cardiovascular disease risk in Chinese adults? *Am J Clin Nutr.* 2005; 82:1195-1202.
16. Chen J, He J, Wildman RP, **Reynolds K**, Streiffer RH, Whelton PK. A randomized controlled trial of dietary fiber intake on serum lipids. *Eur J Clin Nutr.* 2006;60:62-68.
17. Gu D*, He J*, Wu X, **Reynolds K**, Huang G, Chen J, Duan X, Chen CS, Whelton PK. Body weight and mortality among men and women in China. *JAMA.* 2006;295:776-783. [***these authors contributed equally to this work**]
18. Desalvo KB, Bloser N, **Reynolds K**, He J, Muntner, P. Mortality prediction with a single general self-rated health question: a meta-analysis. *J Gen Intern Med.* 2006;21:267–275. PMID: PMC1828094.
19. **Reynolds K**, Chin A, Lees K, Nguyen A, Bujnowski D, He J. A meta-analysis of the effects of soy protein supplementation on serum lipids. *Am J Cardiol.* 2006;98:633-640.
20. Galassi A, **Reynolds K**, He J. Metabolic syndrome and risk of cardiovascular disease: a meta-analysis. *Am J Med.* 2006;119:812-819.
21. Bazzano LA, **Reynolds K**, Holder KN, He J. Effect of folate supplementation on risk of cardiovascular diseases: a meta-analysis of randomized controlled trials. *JAMA.* 2006;296:2720-2726.
22. **Reynolds K**, Gu D, Whelton PK, Wu X, Duan X, Mo J, He J. Prevalence and risk factors of overweight and obesity in China. *Obesity.* 2007;15:10-18.

23. Gu D*, Wildman RP*, Wu D, **Reynolds K**, Huang J, Chen CS, He J. Incidence and predictors of hypertension over 8 years among Chinese men and women. *J Hyperten*. 2007;25:517-523. [*these authors contributed equally to this work]
24. Menke A, Muntner P, Wildman RP, **Reynolds K**, He J. Measures of adiposity and cardiovascular disease risk factors. *Obesity*. 2007;15:785-795.
25. **Reynolds K**, Gu D, Muntner P, Wu X, Chen CS, Duan X, Klag MJ, Whelton PK, He J. A population-based, prospective study of blood pressure and risk of end-stage renal disease in China. *J Am Soc Nephrol*. 2007;18:1928-1935.
26. Bazzano LA, Khan Z, **Reynolds K**, He J. Effect of nocturnal nasal continuous positive airway pressure on blood pressure in obstructive sleep apnea. *Hyperten*. 2007;50:417-423.
27. The GenSalt Collaborative Research Group. GenSalt: rationale, design, methods and baseline characteristics of study participants. *J Hum Hyperten*. 2007;21:639-646. PMID: PMC2377400.
28. He J, **Reynolds K**, Chen J, Chen CS, Wu X, Reynolds R, Whelton P, Gu D. Cigarette smoking and erectile dysfunction among Chinese men without clinical vascular disease: a population based study. *Am J Epidemiol*. 2007;166:803-809.
29. Bazzano LA, Gu D, **Reynolds K**, Wu X, Chen CS, Duan X, Wildman RP, Klag MJ, He J. Alcohol consumption and risk for stroke among Chinese men. *Ann Neurol*. 2007;62:569-78.
30. Yang W, **Reynolds K**, Gu D, Chen J, He J. A comparison of two proposed definitions for metabolic syndrome in the Chinese adult population. *Am J Med Sci*. 2007;334:184-189.
31. **Reynolds K**, Gu D, Muntner P, Chen J, Wu X, Yau CL, Duan X, Chen CS, Hamm LL, He J. Body mass index and risk of ESRD in China. *Am J Kidney Dis*. 2007;50:754-764.
32. **Reynolds K**, Gu D, Chen J, Tang X, Yau CL, Yu L, Chen CS, Wu X, Hamm LL, He J. Alcohol consumption and risk of end-stage renal disease among Chinese men. *Kidney Int*. 2008;73:870-876.
33. Wildman RP, Gu D, Muntner P, Wu X, **Reynolds K**, Duan X, Chen CS, Huang G, Bazzano LA, He J. Trends in overweight and obesity in Chinese adults: between 1991 and 1999-2000. *Obesity*. 2008;16:1448-1453.
34. Rao A, Kuhadiya N, **Reynolds K**, Fonseca VA. Is the combination of sulfonylureas and metformin associated with an increased risk of cardiovascular disease or all-cause mortality? A systematic review and meta-analysis of observational studies. *Diabetes Care*. 2008;31:1672-1678. PMID: PMC2494623
35. Kelly T, Yang W, **Reynolds K**, McCarroll R, He J. Global burden of obesity in 2005 and projections to 2030. *Int J Obes (Lond)*. 2008;32:1431-1437.
36. Mann D, **Reynolds K**, Muntner P. Trends in statin use and low-density lipoprotein cholesterol levels among US adults: impact of the 2001 National Cholesterol Education Program guidelines. *Ann Pharmacother*. 2008;42:1208-1215.
37. Bazzano LA, Shi L, **Reynolds K**, Jackson J, Lee LJ. Safety and efficacy of glargine compared with NPH insulin for treatment of Type 2 diabetes: a meta-analysis of randomized controlled trials. *Diabet Med*. 2008;25:924-932.

38. Wildman RP, Muntner P, **Reynolds K**, McGinn A, Rajpathak S, Wylie-Rosett J, Sowers MR. The obese without cardiometabolic risk factor clustering and the normal weight with cardiometabolic risk factor clustering: Prevalence and correlates of body size phenotypes in U.S. adults: NHANES 1999-2004. *Arch Intern Med.* 2008;168:1617-1624.
39. Go AS, Magid DJ, Wells B, Sung SH, Cassidy A, Greenlee RT, Langer RD, Lieu T, Margolis K, Masoudi FA, McNeal CJ, Murata GH, Newton KM, Novotny R, **Reynolds K**, Roblin DW, Smith DH, Vupputuri S, White RE, Olson J, Rumsfeld JS, Gurwitz JH. The Cardiovascular Research Network (CVRN): A New Paradigm for Cardiovascular Quality and Outcomes Research. *Circ Cardiovasc Qual Outcomes.* 2008;1:138-147.
40. Bazzano LA, Gu D, **Reynolds K**, Chen CS, Wu X, Chen CS, Duan X, Wildman RP, Whelton PK, He J. Alcohol consumption and risk of coronary heart disease among Chinese men. *Int J Cardiol.* 2009;135:78-85. (Epub 2008 Jul 9). PMID: PMC2726155.
41. Lawrence JM, Mayer-Davis EJ, **Reynolds K**, Beyer J, Pettitt DJ, Imperatore G, Hamman RF. Diabetes in Hispanic American Youth: prevalence, incidence, demographics, and clinical characteristics: the SEARCH for Diabetes in Youth Study. *Diabetes Care.* 2009;32:S123-S132. PMID: PMC2647689
42. Koebnick C, Getahun D, **Reynolds K**, Coleman KJ, Porter AH, Lawrence JM, Punyanitya M, Quinn VP, Jacobsen SJ. Trends in non-alcoholic fatty liver disease related hospitalizations in U.S. children, adolescents and young adults. *J Pediatr Gastroenterol. Nutr.* 2009;48:597-603.
43. Fonseca V, Smith H, Kuhadiya N, Leger S, Yan CL, **Reynolds K**, Shi L, Thethi T, John-Kalarickal J. Impact of a natural disaster on diabetes: exacerbation of disparities and long term consequences. *Diabetes Care.* 2009;32:1632-1638. (Epub 2009 Jun 19). PMID: PMC2732170.
44. Kelly TN, Bazzano LA, Fonseca VA, Thethi TK, **Reynolds K**, He J. Systematic review: Glucose control and cardiovascular disease in Type-2 Diabetes. *Ann Intern Med.* 2009;151:394-403. (Epub 2009 Jul 20).
45. He J, Gu D, Chen J, Wu X, Kelly TN, Huang JF, Chen JC, Chen CS, Bazzano LA, **Reynolds K**, Whelton PK, Klag MJ. Premature deaths attributable to blood pressure in China: a prospective cohort study. *Lancet.* 2009;374:1765-1772. (Epub 2009 Oct 5).
46. Carson AP, **Reynolds K**, Fonseca VA, Muntner P. Comparison of A1C and fasting glucose criteria to diagnose Diabetes among U.S. Adults. *Diabetes Care.* 2010;33:95-97. (Epub 2009 Oct 6). PMID:PMC2797994
47. Smith N, Coleman KJ, Lawrence JM, Quinn VP, Getahun D, **Reynolds K**, Chen W, Porter AH, Jacobsen SJ, Koebnick C. Body weight and height data in electronic medical records of children. *Int J Pediatr Obes.* 2010;5:237-242. (Epub 2009 Dec 4).
48. Koebnick C, Smith N, Coleman KJ, Getahun D, **Reynolds K**, Lawrence JM, Quinn VP, Porter AH, Dersarkissian JK, Jacobsen SJ. Prevalence of extreme obesity in a large multiethnic cohort of children and adolescents. *J Pediatr.* 2010;157:26-31. (Epub 2010 Mar 18).
49. Wildman RP, Muntner P, Cohen HW, McGinn AP, **Reynolds K**, Fonseca V, Wang C, Sowers MR. Cardiovascular disease risk of abdominal obesity vs metabolic abnormalities. *Obesity (Silver Spring).* 2011;19(4):853-60. (Epub 2010 Aug 19). PMID: PMC3065535

50. **Reynolds K**, Liese A, Daniels S, Standiford D, Ruggiero A, Dabelea D, Waitzfelder B, Loots B, Imperatore G, Case D, Lawrence J. Prevalence of Tobacco Use and Association between Cardiometabolic Risk Factors and Cigarette Smoking in Youth with Type 1 or Type 2 Diabetes Mellitus. *J Pediatr*. 2011;158:594-601.e1 (Epub 2010 Dec 1).
51. Thompson AM, Hu T, Eshelbrenner CL, **Reynolds K**, He J, Bazzano LA. Antihypertensive treatment and secondary prevention of cardiovascular disease events among persons without Hypertension: a Meta-analysis. *JAMA*. 2011;305:913-922.
52. Wildman RP, McGinn AP, Kim M, Muntner P, Wang D, Cohen HW, Ogorodnikova A, **Reynolds K**, Fonseca V. Empirical derivation to improve the definition of the metabolic syndrome in the evaluation of cardiovascular disease risk. *Diabetes Care*. 2011;34:746-748. PMID: PMC3041220
53. Muntner P, Shimbo D, Tonelli M, **Reynolds K**, Arnett D, Oparil S. The relationship between visit-to-visit variability in systolic blood pressure and all-cause mortality in the general population: findings from NHANES III, 1988-1994. *Hypertension*. 2011;57:160-166. (Epub 2011 Jan 3).
54. Liese AD, Bortsov A, Gunther ALB, Dabelea D, **Reynolds K**, Standiford DA, Liu L, Williams DE, Mayer-Davis EJ, D'Agostino RB, Bell R, Marcovina S. Association of DASH diet with cardiovascular risk factors in youth with diabetes: The SEARCH for Diabetes in Youth Study. *Circulation*. 2011;123:1410-1417.
55. He J, Wofford MR, **Reynolds K**, Chen J, Chen CS, Myers L, King D, Elmer PJ, Jones DW, Whelton PK. Effect of dietary protein supplementation on blood pressure: A randomized controlled trial. *Circulation*. 2011;124:589-595. PMID: PMC3150301
56. Muntner P, Halanych J, **Reynolds K**, Durant R, Vupputuri S, Sung V, Meschia J, Howard V, Safford M, Krousel-Wood M. Low medication adherence and the incidence of stroke symptoms among individuals with hypertension: Data from the Reasons to Geographic And Racial Differences in Stroke (REGARDS) Study. *J Clin Hypertens*. 2011;13:479-486. PMID: PMC3140118
57. Gleason JM, Slezak JM, Jung H, **Reynolds K**, Van Den Eeden SK, Haque R, Quinn VP, Loo RK, Jacobsen SJ. Regular non-steroidal anti-inflammatory drug use and erectile dysfunction. *J Urol*. 2011;185:1388-1393. (Epub 2011 Feb 18).
58. Wofford MR, Rebholz CM, **Reynolds K**, Chen J, Chen CS, Myers L, Xu J, Jones DW, Whelton PK, He J. Effect of soy and milk protein supplementation on serum lipid levels: a randomized controlled trial. *Eur J Clin Nutr*. 2012;66:419-425.
59. Muntner P, Levitan E, **Reynolds K**, Mann DM, Tonelli M, Oparil S, Shimbo D. Within-visit variability of blood pressure and all-cause and cardiovascular mortality among US adults. *J Clin Hypertens*. 2012;14:165-171.
60. **Reynolds K**, Viswanathan H, O'Malley C, Muntner P, Harrison TN, Cheetham TC, Hsu JW, Gold DT, Silverman S, Grauer A, Morisky DE. Psychometric properties of the Osteoporosis-Specific Morisky Medication Adherence Scale in postmenopausal women with osteoporosis newly treated with bisphosphonates. *Ann Pharmacother*. 2012;46:659-670
61. Coleman KJ, Ngor E, **Reynolds K**, Quinn VP, Koebnick C, Young DR, Sternfeld B, Sallis RE. Initial validation of an exercise "Vital Sign" in electronic medical records. *Med Sci Sports Exerc*. 2012;44:2071-2076.

62. Masoudi FA, Go AS, Magid DJ, Bushrow-Cassidy AE, Doris JM, Montilla-Garcia R, Gurwitz JH, Hammill SC, Hayes JJ, Jackson N, Kadish A, Lauer M, Miller AW, Multerer D, Peterson PN, Reifler LM, **Reynolds K**, Saczynski JS, Schuger C, Sharma PP, Smith DH, Suits M, Sung SH, Varosy PD, Vidaillet HJ, Greenlee RT. Longitudinal study of implantable cardioverter defibrillators: Methods and clinical characteristics for patients receiving implantable cardioverter defibrillators for primary prevention in contemporary practice. *Circ Cardiovasc Qual Outcomes*. 2012;5:e78-85.
63. Irwin MR, Shimbo D, Mann D, **Reynolds K**, Krousel-Wood M, Limdi N, Lackland D, Calhoun D, Oparil S, Muntner P. Prevalence and correlates of low medication adherence in apparent treatment resistant hypertension. *J Clin Hypertens (Greenwich)*. 2012;14:694-700.
64. Derose SF, Green K, Marrett E, Tunceli K, Cheetham TC, Chiu V, Harrison T, **Reynolds K**, Vansomphone S, Scott RD. Automated Outreach to Increase Primary Adherence to Cholesterol Lowering Medications. *Arch Intern Med*. 2012 (Epub 2012 Dec 27).
65. Maahs DM, Dabalea D, D'Agostino RB, Andrews JS, Crimmins N, Mayer-Davis EJ, Marcovina S, Imperatore G, Wadwa RP, Daniels SR, **Reynolds K**, Hamman R, Dolan LM. Glucose control predicts 2-year change in lipid profile in youth with type 1 diabetes. *J Pediatr*. 2013;162:101-107.
66. Pihoker C, Badaru A, Anderson A, Morgan T, Dolan L, Dabelea D, Imperatore G, Linder B, Marcovina S, Mayer-Davis E, **Reynolds K**, Klingensmith GJ. Insulin regimens and clinical outcomes in a Type 1 Diabetes cohort in the SEARCH for Diabetes in Youth Study. *Diabetes Care*. 2013;36:27-33.
67. Rebholz CM, **Reynolds K**, Kelly TN, Mei H, Chen J, Wofford MR, Whelton PK, He J. Effect of soybean protein on novel cardiovascular disease risk factors: a randomized controlled trial. *Eur J Clin Nutr* 2013;67:58-63.
68. Chen L-H, Quinn VP, Xu L, Gould MK, Jacobsen SJ, Koebnick C, **Reynolds K**, Hechter RC, Chao C. The accuracy and trends of smoking history documentation in electronic medical records in a large managed care organization. *Subst Use Misuse*. 2012 (In press).
69. Harrison T, Derose S, Cheetham TC, Chiu V, Vansomphone SS, Green K, Tunceli K, Scott RD, Marrett E, **Reynolds K**. Primary non-adherence to statin therapy: Patients' Perceptions. *Am J Manag Care*. 2012 (In press).
70. Seid M, Waitzfelder B, Anderson AM, Dabelea D, Lawrence DM, Giuseppina I, Marcovina S, **Reynolds K**, Valenzuela J, Yi-Frazier J, Mayer-Davis EJ. Prevalence of barriers to care for children and adolescents with type 1 and type 2 diabetes: The SEARCH for Diabetes in Youth Study. *Health Serv Res*. 2011 (In revision).
71. **Reynolds K**, Gu D, Bazzano LA, Wu X, Chen CS, Chen J, Duan X, He J. Alcohol consumption and mortality among Chinese Men. *Am J Epidemiol*. 2011 (In revision).
72. Singer DE, Chang Y, Borowsky LH, Fang MC, Pomernacki NK, Udaltsova N, **Reynolds K**, Go AS. A new risk scheme to predict stroke in atrial fibrillation: The ATRIA Study. *Ann Intern Med*. 2012 (Under review).
72. **Reynolds K**, Viswanathan HN, Muntner P, Harrison TN, Cheetham TC, Hsu JWY, Gold DT, Silverman S, Grauer A, Morisky DE, O'Malley CD. Validation of the Osteoporosis-Specific Morisky Medication Adherence Scale in Long-Term Users of Bisphosphonates. *Osteoporos Int*. 2012 (Under review).

73. Black MH, Singer DE, Fang M, Udaltsova N, Harrison T, Wei R, Liu A, Pomernacki NK, Go AS, **Reynolds K**. Self-Reported Medication Adherence among Patients with Atrial Fibrillation from the ATRIA2-CVRN Study. *Am J Manag Care*. 2012 (In revision).
73. Matlock DD, Groeneveld PW, Sidney S, Shetterly S, Goodrich GK, Glenn KA, Yang L, Farmer SA, **Reynolds K**, Cassidy-Bushrow AE, Lieu T, Boudreau DM, Greenlee RT, Tom J, Vupputuri S, Adams KF, Smith DH, Go AS, Magid DJ. Geographic Variation in Cardiovascular Procedures: Medicare Fee-For-Service versus Medicare Advantage. *JAMA*. 2012 (Under review).
74. Coleman KJ, Huang YC, Koebnick C, **Reynolds K**, Xiang AH, Black MH, Alskaf S. Metabolic Syndrome is less Likely to Resolve in Hispanics and non-Hispanic Blacks after Bariatric Surgery. *Annal Surg*. 2012 (Under Review).
75. **Reynolds K**, Viswanathan HN, Muntner P, Harrison TN, Cheetham TC, Hsu JY, Gold DT, Silverman S, Grauer A, Morisky DE, O'Malley CD. Validation of the Osteoporosis-Specific Morisky Medication Adherence Scale in Long-Term Users of Bisphosphonates. *J Behav Med*. 2012 (Under Review).
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2. Chi MD, Vansomphone SS, Liu AL, Cheetham TC, Green K, **Reynolds K**. Adherence to Statins and Low-Density Lipoprotein Cholesterol Goal Attainment in Patients with Coronary Artery Disease.
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Reviews, Chapters, Editorials, and Letters

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79. Black MH, Fang MC, Singer DE, Go AS, **Reynolds K**. Self-reported medication adherence in 14,246 patients with Atrial Fibrillation from the ATRIA2-CVRN Study. Presented at the Quality of Care and Outcomes Research in Cardiovascular Disease and Stroke 2011 Scientific Sessions. Washington, D.C., May 2011. Abstract #P-185. *Circ Cardiovasc Qual Outcomes.* 4(6 Suppl):AP185.
80. **Reynolds K**, Green KR, Vansomphone SS, Scott RD, Cheetham TC. Automated outreach for cholesterol-lowering medication refill reminders. Presented at the European Society of Cardiology Congress 2011. Paris, France, August 2011. Abstract #P1519. *Eur Heart J* 2011;Vol.32(Abstract Suppl):230.
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82. **Reynolds K**, Viswanathan H, O'Malley C, Muntner P, Harrison TN, Cheetham TC, Hsu J, Gold DT, Silverman S, Grauer A, Morisky D. Psychometric properties of the Osteoporosis-Specific Morisky Medication Adherence Scale (OS-MMAS) in postmenopausal women with Osteoporosis (OP) treated with Bisphosphonates (BP). Presented at the American Society for Bone and Mineral Research 2011 Annual Meeting. San Diego, CA. September 2011. Abstract #SU0439. *J Bone Miner Res.* 26(Suppl 1) Available at <http://www.asbmr.org/Meetings/AnnualMeeting/AbstractDetail.aspx?aid=74be487c-084e-4cae-beca-3717d5c9db45>
83. Singer DE, Chang Y, Borowsky LH, Fang MC, Pomernacki NK, Udaltsova N, **Reynolds K**, Go AS. A new risk model to predict stroke in Atrial Fibrillation. Presented at the American Heart Association International Stroke Conference 2012. New Orleans, LA., January 2012. Abstract A186 *Stroke.* 2012;43(2):A186.
84. Bazzano LA, **Reynolds K**, Hu T, Yao L, Bunol C, Liu Y, Chen CS, He J. Effect of a low-carbohydrate diet on weight and cardiovascular risk factors: A randomized controlled trial. Presented at the American Heart Association: Nutrition, Physical Activity and Metabolism / Cardiovascular Disease Epidemiology and Prevention 2012 Scientific Sessions. San Diego, CA, March 2012. Abstract # P306. *Circulation.* 2012;125:AP306.

85. Greenlee RT, Smith DH, Saczynski JS, **Reynolds K**, Magid DJ, Gurwitz J, Go AS, Cassidy-Bushrow AE, Reifler LM, Jackson NP, Glenn KA, Vidaillet H, Masoudi FA. Trial evidence-based inclusion and exclusion criteria for primary prevention implantable cardioverter defibrillators in the Cardiovascular Research Network. Presented at the 18th Annual HMO Research Network Conference. Seattle, WA, April 2012. Abstract #CA1-05. *Clin Med Res.* 2012;10:153-154.
86. Chen LH, Xu L, Quinn VP, **Reynolds K**, Hechter RC, Chao CR. Accuracy of coding for cigarette smoking in the electronic medical records of a large health system. Presented at the 18th Annual HMO Research Network Conference. Seattle, WA, April 2012. Abstract #PS1-39. *Clin Med Res.* 2012;10:162.
87. Dabelea D, Mayer-Davis EJ, Talton J, Hamman RF, Bell R, Dolan L, Divers J, Imperatore G, Liu L, Linder B, Merchant AT, **Reynolds K**, Saydah S, for the SEARCH for Diabetes in Youth Study. Is prevalence of type 2 diabetes increasing in youth? The SEARCH for Diabetes in Youth Study. Presented at the American Diabetes Association's 72nd Scientific Sessions Conference. Philadelphia, PA, June 2012. Abstract #228-OR. *Diabetes* 2012;61(Suppl 1):A61.
88. Mottl AK, Lauer A, D'Agostino R, Mauer M, Maahs D, Kanakatti Shankar R, Dolan L, Gilliam L, Lawrence JM, Afkarian M, Rodriguez B, **Reynolds K**, Marcovina S, Imperatore G, Dabelea D, Mayer-Davis EJ for the SEARCH for Diabetes in Youth Study Group. The prevalence of albuminuria according to status of autoimmunity and insulin sensitivity among youth with diabetes. Presented at the American Diabetes Association's 72nd Scientific Sessions Conference. Philadelphia, PA, June 2012. Abstract #535-P. *Diabetes* 2012;61(Suppl 1):A137.
89. Kanakatti Shanker R, Maahs D, Dolan LM, Anderson A, Imperatore G, Dabelea D, **Reynolds K**, Hirsch I, Mayer-Davis EJ, Marcovina S, D'Agostino RD, Mauer M, Mottl A. Glycemia influences Cystatin C in youth with diabetes: SEARCH for Diabetes in Youth Study. Presented at the American Diabetes Association's 72nd Scientific Sessions Conference. Philadelphia, PA, June 2012. Abstract #545-P. *Diabetes* 2012;61(Suppl 1):A139.
90. Singer DE, Chang Y, Fang MC, **Reynolds K**, Borowsky LH, Udaltsova N, Go AS. External Validation of a New Risk Score to Predict Stroke in Atrial Fibrillation. Presented at the American Heart Association Scientific Sessions 2012 Conference. Los Angeles, CA, November 2012.

Invited Presentations

- Sept. 2004 "Prevalence of overweight and obesity in China." International Heart Forum, Beijing, PR China
- June 2005 "Body weight and risk of end-stage renal disease in Chinese adults." 2nd Annual Women's Health Research Marathon Day. Tulane Xavier National Women's Center, New Orleans, LA
- May 2006 "Alcohol intake and mortality among men and women in China." 3rd Annual Women's Health Research Marathon Day. Tulane Xavier National Women's Center, New Orleans, LA
- Aug. 2006 "Risk factors for end-stage renal disease: a prospective cohort study of 169,871 men and women in China." Tulane Hypertension and Renal Center of Excellence Grand Rounds, New Orleans, LA
- Jan. 2007 "Meta-Analysis: An Overview." Tulane University School of Medicine, Section of Endocrinology Grand Rounds, New Orleans, LA

- Feb. 2011 “Automated Outreach to Increase Adherence to Cholesterol Lowering Medications.” University of Alabama Birmingham, Department of Epidemiology Seminar Series, Birmingham, AL
- Sep. 2012 “Trends in the Incidence of Hospitalized Acute Myocardial Infarction in the Cardiovascular Research Network (CVRN), 2000-2008.” Kaiser Permanente Los Angeles Medical Center Division of Nephrology & Hypertension, Regional Grand Rounds, Los Angeles, CA
- Oct. 2012 “Trends in the Incidence of Hospitalized Acute Myocardial Infarction in the Cardiovascular Research Network (CVRN), 2000-2008.” Tulane University School of Public Health and Tropical Medicine, Department of Epidemiology Seminar Series, New Orleans, LA
- Dec. 2012 “Using Home Grown Evidence to Improve Medication Adherence.” Kaiser Permanente Southern California Permanente Medical Group, Cardiovascular Disease Forum, Pasadena, CA

RESEARCH HISTORY

Current

- Title:** HMO Research Network Cardiovascular Research Network
- Role:** Site Principal Investigator
- Dates:** 09/30/2010-09/29/2015
- Funding Agency:** National Heart, Lung and Blood Institute (U19 HL091179)
- Total Direct Costs:** \$15,658 (Subcontract)
- Description:** The purpose of this program is to establish a collaborative CVRN among 15 member plans of the HMO Research Network to create a unique national resource that leverages the network’s CV expertise, diverse community-based study populations, and rich electronic data systems.
- Title:** Air Pollution, Subclinical CVD and Inflammatory Markers in the SEARCH Cohort
- Role:** Site Principal Investigator
- Dates:** 09/27/2011-09/30/2015
- Funding Agency:** National Institute of Environmental Health Sciences (R01 ES019168)
- Total Direct Costs:** \$60,990 (Subcontract)
- Description:** The major goal of this study is to examine the impact of air pollution on inflammatory processes and the development of subclinical cardiovascular disease in a high-risk population of youth across the U.S.
- Title:** Incidence, Natural History, and Quality of Life of Diabetes in Youth (SEARCH for Diabetes in Youth, Phase III: California Center)
- Role:** Co-Investigator
- Dates:** 09/30/2010-09/29/2015
- Funding Agency:** Centers of Disease Control and Prevention (U01 DP000246)
- Total Direct Costs:** \$1,983,125
- Description:** This multi-center study aims to prospectively ascertain youth newly diagnosed (2006-2009) with diabetes who are <20 years of age in order to estimate temporal trends in incidence of diabetes mellitus; conduct longitudinal follow-up of incident cases to document the evolution of diabetes according to

clinical and biochemical factors; assess quality of care; and develop and validate simple and low-cost case definitions and classifications of diabetes that can be used for public health surveillance.

Title: **Analysis of Device Shock Patterns among Patients with Implantable Cardiac Defibrillators (ICDs)**

Role: Site Principal Investigator

Dates: 09/30/2011-04/30/2014

Funding Agency: American College of Cardiology

Total Direct Costs: \$98,654

Description: The major goal of this project is to gain understanding of the patterns and appropriations of device shocks among patients undergoing ICD implantation for primary prevention of sudden cardiac death.

Title: **The Developing Evidence to Inform Decisions about Effectiveness-2 (DEcIDE-2) Network**

Role: Co-Investigator

Dates: 07/23/2010-07/24/2013

Funding Agency: Agency for Healthcare Research and Quality (AHRQ)

Total Direct Costs: \$0

Description: The DEcIDE-2 network supports AHRQ's response to the Medicare Modernization Act's mandates for comparative effectiveness and safety research. The Network develops scientific evidence and methodologies about the outcomes, comparative clinical effectiveness, safety, and appropriateness of health care items and services for improving the quality, effectiveness, and efficiency of healthcare.

Title: **Cardiovascular Risk in Patients with Rheumatoid Arthritis in a Managed Care Setting**

Role: Co-Investigator

Dates: 12/01/2012-11/30/2013

Funding Agency: Bristol-Myers Squibb

Total Direct Costs: \$248,788

Description: The overall goal of this study is to examine whether the presence of rheumatoid arthritis (RA) has greater impact on cardiovascular event occurrence for newly diagnosed RA patients, when compared to non-RA counterparts.

Completed

Title: **Validation of the Osteoporosis Specific Morisky Medication Adherence Scale in Post-Menopausal Women Treated with Bisphosphonates**

Role: Principal Investigator

Dates: 11/01/2009-12/31/2012

Funding Agency: Amgen

Description: The major goal of this project is to evaluate the psychometric properties of the Osteoporosis Specific Morisky Medication Adherence Scale in a population of women with post-menopausal osteoporosis.

Title: **Automated Outreach to Increase Adherence to Cholesterol Lowering Medications in Patients Who Did Not Fill a New Prescription**
Role: Co-Investigator
Dates: 11/01/2009-12/31/2012
Funding Agency: Merck
Description: The major goal of this project is to test the effectiveness of a low-cost, generalizable intervention to improve patient adherence to newly prescribed medications to lower cholesterol.

Title: **Development of a Cardiovascular Surveillance System in the CVRN**
Role: Site Principal Investigator
Dates: 09/29/2009-07/31/2011 (No cost extension 07/31/12)
Funding Agency: National Heart, Lung and Blood Institute (RC2 HL10166)
Description: The major goals of this project are to establish a surveillance system for cardiovascular disease in approximately 11 million health maintenance organization members to examine trends over time in rates of heart disease and stroke and to address research questions relating to comparative effectiveness and to disparities in medical treatment and outcomes.

Title: **Contemporary Treatment and Outcomes for Atrial Fibrillation in Clinical Practice**
Role: Site Principal Investigator
Dates: 09/29/2009-07/31/2011 (No cost extension 07/31/12)
Funding Agency: National Heart, Lung and Blood Institute (RC2 HL101589)
Description: The major goals of this project are to develop a collaboration of population-based researchers as well as a research platform using a contemporary cohort of about 40,000 adults with atrial fibrillation to improve comparative effectiveness studies, risk stratification of outcomes and the planning and conduct of future observational studies and randomize trials for atrial fibrillation.

Title: **Longitudinal Studies of Implantable Cardioverter Defibrillators for Primary Prevention in Community Practice: Characteristics, Shocks, Outcomes, and Cost**
Role: Site Principal Investigator
Dates: 09/29/2011-09/29/2012
Funding Agency: Agency for Healthcare Research and Quality (AHRQ) (HHSA A290-2005-0033-I-T08-WA1)
Description: The major goal of this project is to gain understanding of the patterns and appropriations of device shocks among patients undergoing ICD implantation for primary prevention of sudden cardiac death.

Title: **The Impact of Intensive versus Usual Glucose Control and Multiple Risk Factor Intervention Approaches in Individuals with Type 2 Diabetes**
Role: Site Principal Investigator
Dates: 10/01/2009-07/31/2011
Funding Agency: Agency for Healthcare Research and Quality (AHRQ) (HHSA290-2005-0033-I-TO10-WA4)

Description: The major goal of this project is to address the question of whether intensive glycemic control in adults with type 2 diabetes leads to improved short and longer-term outcomes compared with less intensive therapy and to determine whether its benefit varies as a function of blood pressure or LDL-cholesterol control.

Title: **Pilot Study of ESA's and Venous Thromboembolism in Cancer Patients**

Role: Principal Investigator

Dates: 08/17/2009-04/16/2010

Funding Agency: Amgen

Description: The major goal of this project was to determine the feasibility of conducting a study to assess the incidence of VTE in patients with cancer and to identify independent risk factors for VTE among cancer patients.

Title: **TZD-Fibrate Feasibility Study**

Role: Site Principal Investigator

Dates: 11/01/2009-12/31/2009

Funding Agency: Food and Drug Administration (HHSF 22320051008C)

Description: The major goal of this project was to determine the feasibility of conducting a study to determine if combined use of TZD and a fibrate increase cardiovascular risk compared to TZD use without fibrate.

Title: **Clinical Trial of Dietary Protein on Blood Pressure**

Role: Co-Investigator

Dates: 07/01/2002-06/30/2007

Funding Agency: National Heart, Lung and Blood Institute (R01 HL68057)

Description: The primary objective of this project was to examine the effects of soy and milk protein supplementation on blood pressure in a randomized cross-over clinical trial.

Title: **Effects of Soybean Protein on Adipocytokines, Systemic Inflammation, and Endothelial Dysfunction” for the Center of Biological Research Excellence Program (COBRE)**

Role: Junior Investigator

Dates: 04/01/2006-06/30/2007

Funding Agency: National Center for Research Resources (P20 RR17659)

Description: This study examined the effect of soybean protein supplementation on novel CVD risk factors.

Title: **Clinical Center for Prospective Cohort Study of Chronic Renal Insufficiency (CRI)**

Role: Co-Investigator

Dates: 10/01/2001-06/30/2007

Funding Agency: National Institute of Diabetes and Digestive and Kidney Diseases (U01 DK60963)

Description: The major goals of this project were to study risk factors for renal disease and CVD in patients with CRI.

Title: **Genetic Epidemiology of Blood Pressure Prevention**

Role: Co-Investigator

Dates: 10/01/2002-06/30/2007

Funding Agency: National Heart, Lung and Blood Institute (U01 HL072507)
Description: The overall objective of this study was to identify susceptibility genes that influence individual blood pressure responses to environmental risk factors for hypertension in human populations.

Title: **Impact of Hurricane Katrina on Diabetes and its Co-Morbidities**

Role: Co-Investigator

Dates: 07/01/2006-06/30/2007

Funding Agency: American Diabetes Association (7-06-CR-58)

Description: This study examined the health implications that Hurricane Katrina had on people with diabetes

Title: **Meta-Analysis on the Comparison of Efficacy and Safety between Glargine and NPH in Patients with Type II Diabetes**

Role: Co-Investigator

Dates: 01/01/2007-06/30/2007

Funding Agency: Eli Lilly and Company

Title: **Building Interdisciplinary Research Careers in Women's Health (BIRCWH)**

Role: Co-Investigator

Dates: 06/01/2005-03/31/2006

Funding Agency: Office of Research on Women's Health and the Office of Dietary Supplements

Pending

Title: **Cardiovascular Pharmacogenomic Prevention Program in Diabetes**

Role: Site Principal Investigator

Dates: 12/01/2012-11/30/2019

Funding Agency: National Heart, Lung and Blood Institute

Total Direct Costs: \$2,963,020

Description: The goal of this project is to conduct a randomized, double-blind, placebo-controlled, targeted pharmacogenomic clinical event trial of vitamin E supplementation versus placebo in individuals with type 2 diabetes selected based upon the haptoglobin 2-2 genotype.

Title: **HMO Research Network Cardiovascular Research Network (CVRN-2)**

Role: Site Principal Investigator

Dates: 12/01/2012-11/30/2017

Funding Agency: National Heart, Lung and Blood Institute

Total Direct Costs: \$853,531

Description: The goals of the proposed study are to advance our understanding of the strengths and limitations of large, integrated health data systems in various types of cardiovascular disease (CVD) research; conduct high impact comparative effectiveness research studies and pragmatic randomized clinical trials; expand the CVRN's capability to be a resource of choice to NHLBI for trial planning and addressing emerging, high-priority public health questions; launch a new training program to develop CVD researchers with specific skills related to health informatics; and significantly increase and streamline

research collaborations between CVRN researchers and researchers affiliated with organizations currently outside the CVRN.

Title: **Atrial Fibrillation as an Adverse Effect of Drug Therapy**
Role: Site Principal Investigator
Dates: 07/01/2013-06/30/2017
Funding Agency: National Heart, Lung and Blood Institute
Total Direct Costs: \$391,843
Description: The goal of the proposed study is examine medication use as a risk factor for incident atrial fibrillation.

Title: **A Comparative-Safety Study of Oral Estrogens and the Risk of Venous Thrombosis**
Role: Site Principal Investigator
Dates: 04/01/2013-03/31/2017
Funding Agency: National Heart, Lung and Blood Institute
Total Direct Costs: \$252,061
Description: The proposed study establishes and follows a cohort of 110,000 women aged 40-64 years of age who initiate hormone therapy from January 1, 2003 through December 31, 2016. The primary outcome is the occurrence of a first venous thrombosis in up to 5 years after initiation of HT.

Title: **Interactive and Patient Tailored Adherence Interventions in Osteoporosis**
Role: Co-Investigator
Dates: 09/01/2013-08/30/2016
Funding Agency: National Institute of Aging
Total Direct Costs: \$550,000
Description: The goal of this proposed research it to improve adherence to osteoporosis medications by developing and evaluating an intervention using interactive voice response (IVR) technology to administer a validated patient survey that identifies barriers to medication adherence.

Title: **Changes in Medication Adherence in Patients with Diabetes and Effects on Clinical and Economic Outcomes**
Role: Principal Investigator
Dates: 04/01/2013-09/30/2014
Funding Agency: Merck
Total Direct Costs: \$358,738
Description: The goals of this study are to identify and describe patients with diabetes by their patterns of adherence to oral antihyperglycemic agents over time and to determine the association between changes in adherence and cardiovascular outcomes, healthcare utilization and associated impact on healthcare costs.

Title: **Sulfonylurea and Metformin Use and Risk of Cardiovascular Disease and All-Cause Mortality**
Role: Principal Investigator
Dates: 03/01/2013-02/28/2014
Funding Agency: Merck
Total Direct Costs: \$169,382

Description: The goals of this study are to examine the risk of cardiovascular outcomes and all-cause mortality comparing treatment monotherapy with sulfonylurea vs. metformin and combinations of dual therapy in adults with diabetes.

Title: **Impact of Medication Therapy Discontinuation on Glycemic Control and Health Care Utilization in Patients with Diabetes**

Role: Principal Investigator

Dates: 12/01/2012-11/30/2013

Funding Agency: Merck

Total Direct Costs: \$132,142

Description: The goals of the proposed study are to evaluate the frequency of medication therapy discontinuation among adults with diabetes prescribed two oral antihyperglycemic agents and to identify patient and physician factors associated with therapy discontinuation.