

**DOUGLAS W. ROBLIN**

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**Education**

- 1977-1984 University of Michigan, Ann Arbor. PhD (1984). Anthropology. Dissertation: *Labor Market Behavior of Disadvantaged Migrants: A Case Study of Samoans in the San Francisco Bay Area.*
- 1975-1976 The University of Chicago. MA (1978). Anthropology. Thesis: *The Developmental Cycle of Complex Social Systems in a Prehistoric Context: Theory and Evidence from Chiapas, Mexico.*
- 1971-1975 Indiana University of Pennsylvania. BA (1975). Anthropology and Chemistry. Summa cum laude.

**Professional Employment History**

- 2017-present Senior Research Scientist, Kaiser Permanente, Rockville, MD  
Develop project concept papers for potential extramural funding. Write technical and business sections of proposals and submit proposals to potential sponsors (private foundations, federal agencies). For funded projects, provide general project management and supervision with attention to scientific conduct of projects and timelines for deliverables. Write and submit periodic project status reports to sponsors. Write and submit final project reports and manuscripts for publication. Prepare and present project results to internal audiences (e.g. medical group senior management) and scientific meetings. Mentor a team of research scientists in the aforementioned areas.
- 2013-2017 Professor, Health Management and Policy, School of Public Health, Georgia State University, Atlanta, GA  
Develop, update, and teach MPH and PhD level courses in the areas of: social determinants of health, translational research program design and evaluation, principles and methods of health services research, and history of the US healthcare system. Mentor MPH thesis and PhD students in SPH and cognate departments. Provide university service on academic committees. Write abstracts and manuscripts for public dissemination of study findings. Write technical and business sections of proposals and submit proposals to potential sponsors (private foundations, federal agencies).
- 1999-2013 Senior Research Scientist, Kaiser Permanente, Atlanta, GA  
Develop project concept papers for potential extramural funding. Write technical and business sections of proposals and submit proposals to

potential sponsors (private foundations, federal agencies). For funded projects, provide general project management and supervision with attention to scientific conduct of projects and timelines for deliverables. Write and submit periodic project status reports to sponsors. Write and submit final project reports and manuscripts for publication. Prepare and present project results to internal audiences (e.g., medical group senior management) and scientific meetings. Mentor master- and doctoral-level research associates, project managers, programmer/analysts, and research assistants within the Research Department and with collaborating research centers.

- 1990-1998 Health Economist, Kaiser Foundation Health Plan, Oakland, CA  
Design and conduct econometric and epidemiologic studies related to efficiency of medical care delivery and quality of care outcomes: risk-adjustment of health plan premiums, case-mix adjustment of primary care physician workload and practice variation, variation in use and costs of prescribed medicines, chronic disease performance measurement (diabetes, asthma). Consult with and mentor master- and doctoral-level statisticians and health services researchers in support of operations improvement projects within Kaiser Permanente. Write project reports and present findings to senior-level health plan and medical group management.
- 1988-1990 Statistician, Kaiser Foundation Health Plan, Oakland, CA  
Design and conduct studies requiring advanced statistical, econometric, and epidemiologic methods: health plan choice in employer groups, selection bias, hospital length of stay. Write reports and present findings to department management. Consult with medical economic analysts on applications of analytic methods and results.
- 1985-1988 Statistician, California Medical Review, San Francisco, CA  
Design and conduct special statistical studies emphasizing regression models of risk of adverse patient outcome (mortality, readmission, complications) for hospital care provided to Medicare beneficiaries. Design and implement routine reports on utilization and quality of inpatient care.

### **Professional Affiliations and Service**

#### Memberships

- 1991-present Member, AcademyHealth (formerly Association for Health Services Research)  
1994-2002 Member, American Statistical Association  
2009-present Member, Society for Occupational Health Psychology

#### Committee Assignments

- 2021-present Advancement Council, College of Natural Sciences and Mathematics,  
Indiana University of Pennsylvania
- 2013-2019 Affiliate Senior Investigator, The Center Clinical and Outcomes Research,  
Kaiser Permanente, Atlanta, GA
- 2008-2010 Deputy Editor, Medical Care
- 2018-present
- 2003-2004 Session Chair, Chronic Care Delivery, 2004 Annual Research Conference,  
AcademyHealth
- 2001-2002 Advisory Panel, Project on Developing a New Set of Actionable Measures  
for Prevention and Chronic Illness Care, NCQA
- 1999-2003 Research Steering Committee, Kaiser Permanente Georgia
- 1998-2004 Steering Committee, Diabetes Physician Recognition Program,  
ADA/NCQA
- 1998-2002 Editorial Advisory Committee, Journal on Quality Improvement
- 1997-1999 Advisory Panel, Diabetes Quality Improvement Project, NCQA
- 1996-1998 Methodologic Expert Panel, HEDIS Users Group, NCQA
- 1994-1995 Pharmacy Subcommittee, Interregional Committee on Aging, Kaiser  
Permanente
- 1993-1995 Advisory Committee, State of Washington, Medical Risk Adjustment  
Project
- 1990-1994 Interregional Utilization Management Committee, Kaiser Permanente

Journal Manuscript Reviews

Quality and Patient Safety  
Journal of General Internal Medicine  
Medical Care  
Medical Care Research and Review  
Health Services Research  
American Journal of Managed Care  
Journal of Clinical Outcomes Management  
JAMA  
Joint Commission Journal on Quality Improvement  
Journal of Patient Safety  
Women's Health Issues  
Journal of Ambulatory Care Management  
Journal of Medical Informatics Research  
Cancer Epidemiology  
European Journal of Health Economics  
Annals of Epidemiology  
Health Expectations  
Inquiry  
Healthcare: The Journal of Delivery Science and Innovation  
BMC Health Services Research  
PLOS ONE  
Journal of Adolescent Health

Journal of Nutrition Education and Behavior (outstanding reviewer award 2019)

Conference Abstract Reviews

AcademyHealth Annual Research Meeting (2004, 2019, 2020, 2021, 2022)  
Society for Occupational Health Psychology Biennial Meeting “Work, Stress, and Health” (2013, 2015, 2017, 2019)

Grant Application Reviews

2017 CDC, SEP: Community Characteristics Associated with Geographic Disparities in Diabetes and Cardiometabolic Health U01/R01  
2017 CDC, SEP: Natural Experiments of Policy and Built Environment Impact on Diabetes Risk U01/R01  
2016 Emory ACTSI Student Innovation Program  
2015 Emory ACTSI Health Innovation Program  
2015-2016 UAB PCOR K12  
2015 PCORI CDRN Renewals  
2012 NIH, SEP: Economics of Provider Behavior R01/R21  
2010-2012 Cancer Research Network, Annual Pilot Study  
2009 NIH, Challenge Grants in Health and Science Research  
2000 Kaiser Permanente, Garfield Memorial Fund

**Faculty Experience**

Academic Appointments

2013-2017 Professor of Health Management and Policy, School of Public Health, Georgia State University  
2017-2019 Affiliate Faculty, School of Public Health, Georgia State University, Atlanta, GA  
2005-2019 Adjunct Assistant Professor, Health Policy and Management, Rollins School of Public Health at Emory University

Courses Taught

Georgia State University, School of Public Health  
PH 7160 Introduction to the US Health Care System (Spring 2014, Fall 2014)  
PH 7285/8285 Social Determinants of Health (Fall 2013, Fall 2014, Fall 2015, Fall 2016)  
PH 8290 Population Health Informatics (Spring 2016, Spring 2017)  
PH 8910 Directed Readings – Advanced Methods (Spring 2014)  
PH 8910 Directed Readings – Population Health Informatics (Spring 2015)  
PH 9220 Principles of Health Services Research 1: Themes (Fall 2015, Fall 2016)  
PH 9240 Principles of Health Services Research 2: Methods (Spring 2016, Spring 2017)

Thesis and Dissertation Committee Assignments (\* indicates thesis/dissertation chair)

Georgia State University, School of Public Health, MPH Program

Poquelin Assi Kouame (MPH, 05/2014)  
Haroon Achakzai\* (MPH, 05/2014)  
Emily Ayers\* (MPH, 05/2015)  
Elizabeth Fallon\* (MPH, 08/2015)  
Nolan Johnson\* (MPH, 08/2015)  
Melany Chambers\* (MPH, 08/2015)  
Michael Jarvis\* (MPH, 08/2015)  
Ryan Brody\* (MPH, 12/2015)  
Edda Cotta-Rivera\* (MPH, 05/2016)  
Dedria Mcarthur\* (MPH, 05/2016)  
Phylliscia Gibson\* (MPH, 05/2016)  
Oluwatoyin Adedapo-Jimoh\* (MPH, 12/2016)  
Portia Buchongo (MPH, 05/2017)  
Stephanie Stennett\* (MPH, 05/2017)  
Cayla Roby\* (MPH, 05/2017)

Georgia State University, School of Public Health, JD/MPH Program

Shefa Saulat\* (JD/MPH, 05/2016)  
Omenka Uchendu\* (JD/MPH, 05/2016)

Georgia State University, School of Public Health, PhD Program

Kate Shaw (PhD, 12/2014)  
Kristina Theis\* (PhD, 12/2014)  
Francis Annor (PhD, 05/2015)  
Royal Kai Yee Law\* (PhD, 05/2016)

Georgia State University, Department of Economics, PhD Program

Jeasang Sung (PhD, 05/2018)

Faculty Committee Assignments

Georgia State University, School of Public Health

SPH PhD Curriculum Committee, 2013-present  
SPH PhD Admissions Committee, Spring 2014  
SPH MPH Admissions Committee, Spring 2016

**Honors**

2021 Distinguished Alumni Award, Indiana University of Pennsylvania  
2002, 2021 Best Abstract, AcademyHealth Annual Research Meeting  
1983-1984 Graduate Fellow, Social Science Research Council  
1975-1978 Graduate Fellow, National Science Foundation

**Publications** (\* indicates MPH/PhD mentee)

\*Rouillard CJ, Nasser MA, Hu H, Roblin DW. Evaluation of a Natural Language Processing Approach to Identify Social Determinants of Health in Electronic Health Records in a Diverse Community Cohort. Med Care. 2022;60(3):248-255

- Roblin DW, Khalid SI, Rouillard CJ. Impact of the COVID-19 Pandemic on Social Needs: A Retrospective Observational Study of the Early-pandemic Period. *JAMA Network Open*. 2022;5(2):e2146700.
- Hatef E, Rouhizadeh M, Nau C, Xie F, Rouillard C, Abu-Nasser M, Padilla A, Lyons LJ, Kharrazi H, Weiner JP, Roblin D. Development and Assessment of a Natural Language Processing Model to Identify Residential Instability in Electronic Health Records' Unstructured Data: A Comparison of 3 Integrated Healthcare Delivery Systems. *JAMIA Open*. 2022;5(1):ooac006.
- Roblin DW, Jones JW, Fuller CH. Pollen Exposure and Associated Healthcare Utilization: A Population-based Study Using Health Maintenance Organization Data in the Washington, DC, Area. *Ann Am Thorac Soc*. 2021;18(10):1642-1649.
- Mansi ET, Johnson ES, Thorp ML, Go AS, Lee MS, Shen AY, Park KJ, Budzynska K, Markin A, Sung SH, Thompson JH, Slaughter MT, Luong TQ, An J, Reynolds K, Roblin DW, Cassidy-Bushrow AE, Kuntz JL, Schlienger RG, Behr S, Smith DH. Physician adjudication of angioedema diagnosis codes in a population of patients with heart failure prescribed angiotensin-converting enzyme inhibitor therapy. *Pharmacoepidemiol Drug Saf*. 2021 [In press].
- Hashemi L, Zhang Q, Getahun D, Jasuja GK, McCracken C, Pisegna J, Roblin D, Silverberg MJ, Tangpricha V, Vupputuri S, Goodman M. Longitudinal Changes in Liver Enzyme Levels Among Transgender People Receiving Gender Affirming Hormone Therapy. *J Sex Med*. 2021;18(9):1662-1675.
- Wagner S, Panagiotakopoulos L, Nash R, Bradlyn A, Getahun D, Lash TL, Roblin D, Silverberg MJ, Tangpricha V, Vupputuri S, Goodman M. Progression of Gender Dysphoria in Children and Adolescents: A Longitudinal Study. *Pediatrics*. 2021;148(1):e2020027722.
- Roblin DW, Segel JE, McCarthy RJ, Mendiratta N. Comparative Effectiveness of a Complex Care Program for High-Cost/High-Need Patients: a Retrospective Cohort Study. *J Gen Intern Med*. 2021;36(7):2021-2029.
- Mapel DW, Roberts MH, Sama S, Bobbili PJ, Cheng WY, Duh MS, Nguyen C, Thompson-Leduc P, Van Dyke MK, Rothnie KJ, Sundaresan D, Certa JM, Whiting TS, Brown JL, Roblin DW. Development and Validation of a Healthcare Utilization-Based Algorithm to Identify Acute Exacerbations of Chronic Obstructive Pulmonary Disease. *Int J Chron Obstruct Pulmon Dis*. 2021 9;16:1687-1698.
- Roblin DW, Cram P, Lou Y, Edmonds SW, Hall SF, Jones MP, Saag KG, Wright NC, Cromwell LF, Robinson BE, Wolinsky FD; PAADRN Investigators. The Contribution of Patient, Primary Care Physician, and Primary Care Clinic Factors to Good Bone Health Care. *Perm J*. 2021 Jan;25:1-3.

- Zhang Q, Rechler W, Bradlyn A, Flanders WD, Getahun D, Lash TL, McCracken C, Nash R, Panagiotakopoulos L, Roblin D, Sandberg DE, Silverberg MJ, Tangpricha V, Vupputuri S, Goodman M. Changes in Size and Demographic Composition of Transgender and Gender Non-Binary Population Receiving Care at Integrated Health Systems. *Endocr Pract.* 2021;27(5):390-395.
- Xie F, Getahun D, Quinn VP, Im TM, Contreras R, Silverberg MJ, Baird TC, Nash R, Cromwell L, Roblin D, Hoffman T, Goodman M. An automated algorithm using free-text clinical notes to improve identification of transgender people. *Inform Health Soc Care.* 2021;46(1):18-28.
- Antun A, Zhang Q, Bhasin S, Bradlyn A, Flanders WD, Getahun D, Lash TL, Nash R, Roblin D, Silverberg MJ, Tangpricha V, Vupputuri S, Goodman M. Longitudinal Changes in Hematologic Parameters Among Transgender People Receiving Hormone Therapy. *J Endocr Soc.* 2020;4(11):bvaa119.
- To M, Zhang Q, Bradlyn A, Getahun D, Giammattei S, Nash R, Owen-Smith AA, Roblin D, Silverberg MJ, Tangpricha V, Vupputuri S, Goodman M. Visual Conformity With Affirmed Gender or "Passing": Its Distribution and Association With Depression and Anxiety in a Cohort of Transgender People. *J Sex Med.* 2020 Oct;17(10):2084-2092.
- Fuller CH, Jones JW, Roblin DW. Evaluating changes in ambient ozone and respiratory-related healthcare utilization in the Washington, DC metropolitan area. *Environ Res.* 2020;186:109603.
- Collin LJ, MacLehose RF, Ahern TP, Nash R, Getahun D, Roblin D, Silverberg MJ, Goodman M, Lash TL. Adaptive Validation Design: A Bayesian Approach to Validation Substudy Design With Prospective Data Collection. *Epidemiology.* 2020;31(4):509-516.
- Mak J, Shires DA, Zhang Q, Prieto LR, Ahmedani BK, Kattari L, Becerra-Culqui TA, Bradlyn A, Flanders WD, Getahun D, Giammattei SV, Hunkeler EM, Lash TL, Nash R, Quinn VP, Robinson B, Roblin D, Silverberg MJ, Slovis J, Tangpricha V, Vupputuri S, Goodman M. Suicide Attempts Among a Cohort of Transgender and Gender Diverse People. *Am J Prev Med.* 2020;59(4):570-577.
- Edmonds S, Lou Y, Robinson B, Cram P, Roblin DW, Wright NC, Saag K, Wolinsky FD. Characteristics of older adults using patient web portals to view their DXA results. *BMC Med Inform Decis Mak.* 2019;19(1):187.
- Nau C, Adams JL, Roblin D, Schmittiel J, Schroeder E, Steiner JF. Considerations for Identifying Social Needs in Health Care Systems: A Commentary on the Role of Predictive Models in Supporting a Comprehensive Social Needs Strategy. *Med Care.* 2019;57(9):661-666.
- \*Law RKY, Kisselburgh H, Roblin D, Choudhary E, Schier J, Fraser M, Taylor E. Noninfectious Foodborne Exposures Reported to 2 National Reporting Systems, United States, 2000-2010. *Public Health Rep.* 2019;134(5):552-558.
- Fuller CH, Roblin D, Jones J. Using Syndromic Surveillance to Evaluate the Respiratory Effects of Fine Particulate Matter. *Ann Am Thorac Soc.* 2019;16(7):930-933.

Solimeo SL, Nguyen VT, Edmonds SW, Lou Y, Roblin DW, Saag KG, Cram P, Wolinsky FD. Sex differences in osteoporosis self-efficacy among community-residing older adults presenting for DXA. *Osteoporos Int.* 2019;30(5):1033-1041.

Fuller CH, Roblin D, Jones J. Utilizing syndromic surveillance to evaluate the respiratory effects of fine particulate matter. *Ann Am Thorac Soc.* 2019. Epub ahead of print.

Hall SF, Wright NC, Wolinsky FD, Lou Y, Edmonds S, Roblin D, Jones M, Saag K, Cram P. The prevalence of overtreatment of osteoporosis: results from the PAADRN trial. *Arch Osteoporos.* 2018 28;13(1):103.

Mazor KM, Kamineni A, Roblin DW, Anau J, Robinson BE, Dunlap BS, Firneno C, Gallagher, TH. Encouraging patients to speak up about problems in cancer care. *Journal of Patient Safety.* 2018; In press.

Gerth J, Becerra-Culqui T, Bradlyn A, Getahun D, Hunkeler EM, Lash TL, Millman A, Nash R, Quinn VP, Robinson B, Roblin D, Silverberg MJ, Tangpricha V, Vupputuri S, Goodman M. Agreement between medical records and self-reports: Implications for transgender health research. *Rev Endocr Metab Disord.* 2018;19(3):263-269.

\*Theis KA, Roblin D, Helmick CG, Luo R. Employment exit and entry among U.S. adults with and without arthritis during the Great Recession. A longitudinal study: 2007–2009, NHIS/MEPS. *Work.* 2018;60(2):303-318.

Getahun D, Nash R, Baird TC, Becerra-Culqui TA, Cromwell L, Hunkeler E, Lash TL, Millman A, Quinn VP, Robinson B, Roblin D, Silverberg MJ, Safer J, Slovis J, Tangpricha V, Goodman M. Cross-sex hormones and acute cardiovascular events in transgender persons: A Cohort study. *Ann Intern Med.* 2018;169(4):205-213.

Becerra-Culqui T, Nash R, Cromwell L, Flanders W, Getahun D, Giammattei S, Lash T, Millman A, Quinn V, Robinson B, Roblin D, Sandberg D, Silverberg M, Tangpricha V, Goodman M. Mental health of transgender and gender non-conforming youth compared with their peers. *Pediatrics.* 2018;141(5):e20173845..

Owen-Smith A, Gerth J, Sineath C, Barzilay J, Becerra-Culqui TA, Getahun D, Giammattei S, Hunkeler E, Lash T, Millman A, Nash R, Quinn VP, Robinson B, Roblin D, Sanchez T, Silverberg MJ, Tangpricha V, Valentine C, Winter S, Woodyatt C, Goodman M. Association between gender confirmation treatments and perceived gender congruence, body satisfaction and mental health among a cohort of transgender individuals. *J Sexual Health.* 2018;15(4):591-600.

Roblin DW, Wolinsky FD, Lou Y, Edmonds SW, Hall SF, Jones MP, Wright NC, Saag KG, Cram P. Diet and exercise changes following bone densitometry in the PAADRN study. *Arch Osteoporos.* 2018;13(1):4.

\*Theis KA, Roblin D, Helmick CG, Luo R. Prevalence and causes of work disability among working-age U.S. adults, 2011-2013, NHIS. *Disabil Health J.* 2018;11(1):108-115.

Alford SH, Divine G, Chao C, Habel LA, Janakiraman N, Wang Y, Feigelson HS, Scholes D, Roblin D, Epstein MM, Engel L, Havstad S, Wells K, Yood MU, Fortuny J, Johnson CC; Cancer Research Network Lymphoma Study Group. Serum cholesterol



trajectories in the 10 years prior to lymphoma diagnosis. *Cancer Causes Control*. 2018;28(1):143-156.

Owen-Smith AA, Sineath C, Sanchez T, Dea R, Giammattei S, Gillespie T, Helms MF, Hunkeler EM, Quinn VP, Roblin D, Slovis J, Stephenson R, Sullivan PS, Tangpricha V, Woodyatt C, Goodman M. Perception of community tolerance and prevalence of depression among transgender persons. *J Gay Lesbian Ment Health*. 2017;21(1):64-76.

Quinn VP, Nash R, Hunkeler E, Contreras R, Cromwell L, Becerra-Culqui TA, Getahun D, Giammattei S, Lash TL, Millman A, Robinson B, Roblin D, Silverberg MJ, Slovis J, Tangpricha V, Tolsma D, Valentine C, Ward K, Winter S, Goodman M. Cohort profile: Study of Transition, Outcomes and Gender (STRONG) to assess health status of transgender people. *BMJ Open*. 2017;7(12):e018121

Nguyen VT, Edmonds SW, Lou Y, Roblin DW, Saag KG, Cram P, Wolinsky FD. Validity, reliability, and responsiveness to change of the “Osteoporosis and You” knowledge scale. *Osteoporosis Int*. 2017;28(12):3379-3388.

Silverberg MJ, Nash R, Becerra-Culqui TA, Cromwell L, Getahun D, Hunkeler E, Lash TL, Millman A, Quinn VP, Robinson B, Roblin D, Slovis J, Tangpricha V, Goodman M. Cohort study of cancer risk among insured transgender people. *Ann Epidemiol*. 2017;27(8):499-501.

Roblin DW, Zelman D, Plummer S, Robinson B, Lou Y, Edmonds SW, Wolinsky FD, Saag K, Cram P. Evaluation of a “just in time” nurse consultation on bone health: A Pilot randomized trial. *The Perm J*. 2017;21: In press.

Epstein MM, Divine G, Chao CR, Wells KE, Feigelson HS, Scholes D, Roblin D, Ulcickas Yood M, Engel LS, Taylor A, Fortuny J, Habel LA, Johnson CC. Statin use and risk of multiple myeloma: An analysis from the Cancer Research Network. *Int J Cancer*. 2017;141(3):480-487.

Wolinsky FD, Hall SF, Lou Y, Edmonds SW, Saag KG, Roblin DW, Wright NC, Jones MP, Cram P; PAADRN Investigators, Curtis JR, Morgan SL, Schlechte JA, Williams JH, Zelman DJ. The Cost of a patient activation intervention for achieving successful outcomes: results from the PAADRN randomized controlled trial. *Osteoporos Int*. 2017; 28(10):3061-3066.

Hall SF, Edmonds SW, Lou Y, Cram P, Roblin DW, Saag KG, Wright NC, Jones MP, Wolinsky FD. Patient-reported reasons for nonadherence to recommended osteoporosis pharmacotherapy. *J Am Pharm Assoc*. 2017;57(4):503-509.

Wolinsky FD, Lou Y, Edmonds SW, Saag KG, Roblin DW, Wright NC, Jones MP, Cram P; PAADRN Investigators. The Effects of a patient activation intervention on smoking and excessive drinking cessations: results from the PAADRN randomized controlled trial. *Osteoporos Int*. 2017 28(10):3055-3060.

Cram P, Saag KG, Lou Y, Edmonds SW, Hall SF, Roblin DW, Wright NC, Jones MP, Wolinsky FD; PAADRN Investigators. Racial differences and disparities in osteoporosis-related bone health: Results from the PAADRN randomized controlled trial. *Med Care*. 2017;55(6):561-568.

- Edmonds SW, Solimeo SL, Nguyen V-T, Wright NC, Roblin DW, Saag KG, Cram P. Understanding preferences for osteoporosis information to develop an osteoporosis-patient education brochure. *The Permanente J.* 2017;21:16-24.
- Roblin D, Liu H, Cromwell L, Robbins M, Robinson B, Auerbach D, Mehrotra A. Provider type and management of common visits in primary care. *Am J Manag Care.* 2017;23(4):225-231.
- Liu H, Robbins M, Mehrotra A, Auerbach D, Robinson B, Cromwell L, Roblin D. The Impact of using mid-level providers in face-to-face primary care on healthcare utilization. *Med Care.* 2017; 55(1):12-18.
- Nobel L, Roblin D, Becker E, Druss BG, Joski P, Allison J. Index of cardiometabolic health: A New method of measuring allostatic load using electronic health records. *Biomarkers.* 2017;22(5):394-402.
- Wolinsky FD, Lou Y, Edmonds SW, Hall SF, Jones MP, Wright NC, Saag KG, Cram P, Roblin DW; PAADRN Investigators. Activating patients with a tailored bone density test results letter and educational brochure: The PAADRN randomized controlled trial. *J Clin Densitom.* 2017;20(4):464-471.
- Edmonds S, Cram P, Lou Y, Jones M, Roblin D, Saag K, Wright N, Wolinsky F. Effects of a DXA result letter on satisfaction, quality of life, and osteoporosis knowledge: The PAADRN randomized controlled trial. *BMC Musculoskeletal Disorders.* 2016;17(1):369.
- Mazor KM, Rubin DL, Roblin DW, Williams AE, Han PK, Gaglio B, Cutrona SL, Costanza ME, Wagner JL. Health literacy-listening skill and patient questions following cancer prevention and screening discussions. *Health Expect.* 2016;19(4):920-934.
- Sineath RC, Woodyatt C, Sanchez T, Giammatei S, Gillespie T, Hunkeler E, Owen-Smith A, Quinn VP, Roblin D, Stephenson R, Sullivan PS, Tangpricha V, Goodman M. Determinants of and barriers to hormonal and surgical treatment receipt among transgender people. *Transg Health.* 2016;1(1):129-136.
- \*Shaw KM, \*Theis KA, Self-Brown S, Roblin D, Barker L. Chronic disease disparities by county economic status and metropolitan classification, Behavioral Risk Factor Surveillance System, 2013. *Prev Chron Dis.* 2016;13:E19.
- Cram PM, Wolinsky FD, Lou Y, Edmonds SW, Hall SF, Roblin DW, Wright NC, Jones MP, Saag KG. Patient activation and guideline concordant pharmacological treatment after bone density testing: The PAADRN randomized controlled trial. *Osteoporos Int.* 2016;27(12):3513-3524.
- Roblin D, Barzilay J, Tolsma D, Robinson B, Schild L, Cromwell L, Braun H, Nash R, Gerth J, Hunkeler E, Quinn V, Tangpricha V, Goodman M. A Novel method for estimating transgender status using electronic medical records. *Ann Epidemiol.* 2016; 26(3):198-203.
- Mazor KM, Roblin DW, Greene SM, Fouayzi H, Gallagher TH. Primary care physicians' willingness to disclose oncology errors involving multiple providers to patients. *BMJ Qual Saf.* 2016;25(10):787-795.

- \*Annor FB, Okosun IS, Roblin DW, Goodman M, Masyn KE. Psychosocial stress and changes in estimated glomerular filtration rate among adults with diabetes mellitus. *Kidney Res Clin Pract.* 2015;34(3):146-153.
- \*Annor FB, Goodman M, Okosun IS, Roblin DW, Il'yasova D, Ndirangu M, Lakkur S. Oxidative stress, oxidative balance score, and hypertension among a racially diverse population. *J Am Soc Hypertens.* 2015;9(8):592-599.
- \*Annor FB, Roblin DW, Okosun IS, Goodman MG. Work-related psychosocial stress and glycemic control among working adults with diabetes mellitus. *Diabetes Metab Syndr.* 2015;9(2):85-90.
- Cutrona SL, Wagner J, Roblin DW, Gaglio B, Williams A, Torres-Stone R, Mazor KM. E-mail to promote colorectal cancer screening within social networks: Acceptability and content. *J Health Comm.* 2015;20(5):589-598.
- Lewis K, Roblin D, Leo M, Block J. The Personal Shopper – A Pilot randomized trial of grocery store-based dietary advice. *Clin Obesity.* 2015;5(3):154-161.
- Warriner AH, Outman RC, Feldstein AC, Roblin DW, Allison JJ, Curtis JR, Redden DT, Rix MM, Robinson BE, Rosales AG, Safford MM, Saag KG. Effect of self-referral on bone mineral density testing and osteoporosis treatment. *Med Care.* 2014;52(8):743-750.
- Edmonds SW, Cram P, Lu X, Roblin DW, Wright NC, Saag KG, Solimeo SL. Improving bone mineral density reporting to patients with an illustration of personal fracture risk. *BMC Med Inform Decis Mak.* 2014;14(1):101.
- Lakkur S, Bostick R, Roblin D, Ndirangu M, Okosun I, Annor F, Judd S, Flanders WD, Stevens V, Goodman, M. Oxidative balance score and oxidative stress biomarkers in a study of Whites, African Americans, and African immigrants. *Biomarkers.* 2014;19(6):471-480.
- Edmonds SW, Solimeo SL, Lu X, Roblin DW, Saag KG, Cram P. Developing a bone mineral density test result letter to send to patients: A Mixed-methods study. *Patient Prefer Adherence.* 2014; 8:827-841.
- Prouty C, Gallagher T, Greene S, Roblin D, Finerno C, Lemay C, Robinson B, Mazor K. Provider's perceptions of communication breakdowns in cancer care. *J Gen Intern Med.* 2014; 29(8):1122-1130.
- Mazor KM, Williams AE, Roblin DW, Gaglio B, Cutrona SL, Costanza ME, Han PKJ, Wagner JL, Fouayzi H, Field TS. Health literacy and pap testing in insured women. *J Cancer Educ.* 2014;29(4):698-701.
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- Roblin DW, Ritzwoller DP, Rees DI, Carroll NM, Chang A, Daley MF. The Influence of deductible health plans on receipt of the human papillomavirus vaccine series. *J Adolescent Health.* 2014;54(3):275-281.

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Roblin DW, Robinson BE, Benjamin S. Evaluation of a worksite wellness program designed to reduce cardiovascular risks. *J Ambul Care Manage*. 2013;36(4):272-279.

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### **Book Chapters**

Roblin DW, Robinson BE, Benjamin SA. A Case study in the design, implementation, and evaluation of a worksite wellness program for reducing cardiovascular risks. In, *Creating Healthy Workplaces: Stress Reduction, Improved Well-being, and Organizational Effectiveness*. Biron C, Burke R, Cooper G (Eds.). London: Gower, 2014. Pp: 91-107.

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#### Manuscripts in Revise and Resubmit

Roblin D, Mazor K, Robinson B, Torres-Stone R, Cutrona S, Rubin D. Racial disparities in health-related literacy and communication behaviors. *Health Lit Res Practice*.

Roblin D, Mehrotra A, Robbins M, Cromwell L, Robinson B, Auerbach D, Liu H. Primary care workforce disruption and associated changes in patterns of treatment for common visits in primary care. *Med Care*.

Roblin DW, Becker ER. Single item measures of stress and support in social networks of employed adults. *Med Care*.

#### Manuscripts in Progress

Roblin D, Kaplan S, Roberts M, Greenfield S. The Influence of primary team functioning on visit satisfaction. Completed.

Roblin D, Greenfield S, Roberts M, Kaplan S. The Influence of primary care team functioning on practitioner and staff morale and career commitment. Completed.

Roblin DW, Goldberg R, Canto A, McManus R, Waring M, Gigliello R, Allison J, Kiefe C. Patterns by gender and race of outpatient cardiac rehabilitation following hospitalization for acute coronary syndrome: Findings from TRACE-CORE. In progress.

Roblin D, Becker E, Joski P, Druss B, Allison J. To What extent do lifestyle behaviors mediate the relationship between psychosocial stress and cardiometabolic health? An Exploratory analysis of employed adults. In progress.

Roblin D, Druss B, Becker E, Joski P, Allison J. The Mediating role of emotional functioning in the relationship between worksite stress and work absenteeism. In progress.

Roblin D, Allison J, Becker E, Joski P, Druss B. Potentially modifiable lifestyle, psychosocial, and environmental antecedents of incident hypertension among employed adults. In progress.

Lewis KH, Roblin DW. Residential and workplace facilitators of physical activity and their relationship to cross-sectional and longitudinal body mass index.

#### **Presentations**

##### 2022

Syndromic Surveillance Systems for Detection of Infectious Disease Outbreaks in the COVID-19 Era and Beyond. AcademyHealth Annual Research Meeting, 2022. Podium.

2021

A Pilot Study to Improve the Use of Electronic Health Records for Identification of Patients with Social Determinants of Health Challenges: A Collaboration of Johns Hopkins Health System and Kaiser Permanente. AcademyHealth. Virtual Meeting. Podium.

Application of Natural Language Processing to Identify SDoH From Electronic Health Records. Health Care Systems Research Network. Virtual Meeting. Podium.

2019

A Multi-Modal Intervention for Improving Osteoporosis Treatment Initiation and Adherence. Health Care Systems Research Network. Portland, OR. Podium.

Evaluation of a Complex Care Program for High-Cost/High-Need Patients: Interim Analyses and Findings. AcademyHealth Annual Research Meeting. Washington, DC. Poster.

Usual Source of Care as a Moderator between Race / Ethnicity and Blood Pressure Control. AcademyHealth Annual Research Meeting. Washington, DC. Poster.

2018

The Contribution of patient, primary care physician, and primary care clinic factors to good bone health. AcademyHealth Annual Research Meeting, 2018. Seattle, WA. Poster.

Multi-Modal intervention for improving osteoporosis treatment initiation and adherence. AcademyHealth Annual Research Meeting, 2018. Seattle, WA. Poster.

2017

Association of sources and levels of psychosocial stress with incident hypertension among employed adults. Work, Stress, and Health Conference, 2017. Minneapolis, MN. Paper.

2016

Improved osteoporosis self-efficacy improves exercise and dietary intake of calcium and vitamin D. Gerontological Society of America, Annual Research Meeting, 2016. New Orleans, LA. Paper.

Primary care workforce disruption and associated changes in patterns of treatment for common visits in primary care. AcademyHealth Annual Research Meeting, 2016. Boston, MA. Poster.

Orders for diagnostic services and prescribed medications for management of neck and back pain and acute respiratory infections in primary care: Does type of provider matter? AcademyHealth Annual Research Meeting, 2016. Boston, MA. Poster.

### 2015

A Novel method for estimating transgender status using EMR data. AcademyHealth Annual Research Meeting, 2015. Minneapolis, MN. Poster.

Health benefits of regular leisure physical activity among adults reporting sedentary work activity. Work, Stress, and Health Conference, 2015. Atlanta, GA. Paper.

### 2013

Leisure physical activity among employed adults: both worksite and residential built environments matter. Work, Stress, and Health Conference, 2013. Los Angeles, CA. Paper.

Physiologic health in an employed population over a 4-year period. Work, Stress, and Health Conference, 2013. Los Angeles, CA. Paper.

Panel: Applied research and consulting opportunities in occupational safety and health: Workshop. Work, Stress, and Health Conference, 2013. Los Angeles, CA.

Does enrollment in a deductible HMO plan influence likelihood of primary caesarean section? HMO Research Network Annual Meeting, 2013. San Francisco, CA. Poster.

Potentially modifiable lifestyle, psychosocial, and environmental antecedents of incident hypertension among employed adults. HMO Research Network Annual Meeting, 2013. San Francisco, CA. Poster.

Potentially modifiable lifestyle, psychosocial, and environmental antecedents of body mass index among employed adults. HMO Research Network Annual Meeting, 2013. San Francisco, CA. Poster.

Does distance from residence to DXA facility moderate the effect of an intervention designed to improve DXA access? HMO Research Network Annual Meeting, 2013. San Francisco, CA. Poster.

### 2012

Allostatic load: estimating patient complexity using electronic medical record data. AcademyHealth Annual Research Meeting, 2012. Poster.

Disparities in cancer-related health literacy between African American and Caucasian adults. HMO Research Network Annual Meeting, 2012. Seattle, WA. Paper. And, AcademyHealth Annual Research Meeting, 2012. Poster.

### 2011

Initiation and completion of HPV vaccinations by health plan type in HMOs: Deductible HMO vs. traditional HMO plans. AcademyHealth Annual Research Meeting. Seattle, WA. June 14, 2011. Paper.

Measuring primary care team practice climate and functioning in a managed care organization. AcademyHealth Annual Research Meeting. Seattle, WA. June 11, 2011. Paper.

Does enrollment in a deductible HMO plan influence the receipt of cancer screening services in a managed care organization? AcademyHealth Annual Research Meeting. Seattle, WA. June 12, 2011. Poster.

Evaluation of a worksite wellness program designed to reduce cardiovascular risks. Work, Stress, and Health Conference, 2011. Orlando, FL. May 22, 2011. Paper.

Increased primary care visit rates and health care costs associated with worksite stress. Work, Stress, and Health Conference, 2011. Orlando, FL. May 21, 2011. Paper.

Obesogenic environments of MCO enrollees: definition and impact. Workshop on Environment, Behavior, and Obesity and Diabetes Management. HMO Research Network Annual Meeting, 2011. Boston, MA. Paper.

Using area-based measures in the absence of individual-level measures to target enrollment into a study. HMO Research Network Annual Meeting, 2011. Boston, MA. Paper.

Does lifestyle mediate the associations of psychosocial stress and personal distress with allostatic load? AHA EPI-NPAM Scientific Sessions. Atlanta, GA. March 23, 2011. Poster.

## 2010

Does socioeconomic status moderate the association of race with morbidities during pregnancy episodes? AcademyHealth Annual Research Meeting. Boston, MA. June 27-29, 2010. Poster.

Antihypertensive medication persistence and medication affordability among adults with hypertension in a managed care organization. AcademyHealth Annual Research Meeting. Boston, MA. June 27-29, 2010. Poster.

Evaluating Kaiser Permanente Georgia's worksite wellness programs in the Atlanta area. HMO Research Network Annual Meeting. Austin, TX. March 25, 2010. Paper.

Translating research into practice: How providers can support consumer activation. "Creating a Culture of Health: What CVEs Can Do to Involve Consumers in Their Health and Well-being", AHRQ Webinar. January 21, 2010.

2009

Psychosocial stress and depression among employed middle-age adults. Work, Stress and Health Conference, 2009. San Juan, PR. November 5-8, 2009. Paper.

The Association of employer wellness programs and worksite characteristics with employee health and health behaviors. Work, Stress and Health Conference, 2009. San Juan, PR. November 5-8, 2009. Paper.

The Influence of psychosocial factors on work absenteeism in an employed population. San Juan, PR. November 5-8, 2009. Poster

Optimizing design of a health informatics intervention for improving safe NSAID use: Patient and physician perspectives. AcademyHealth Annual Research Meeting. Chicago, IL. June 28-30, 2009. Poster.

Psychosocial stress and depression among employed middle-age adults AcademyHealth Annual Research Meeting. Chicago, IL. June 28-30, 2009. Poster.

Understanding racial disparities in physician advice and patient actions to control blood pressure in a MCO. AcademyHealth Annual Research Meeting. Chicago, IL. June 28-30, 2009. Poster.

2008

Disparities in Use of a Personal Health Record in a Managed Care Organization. AcademyHealth Annual Research Meeting. Washington, DC. June 8-10, 2008. Paper.

2007

Worksite wellness programs: Factors associated with program availability and employee participation. AcademyHealth Annual Research Meeting. Orlando, FL. June 3-5, 2007. Paper.

The Association of neighborhood characteristics and social interactions with exercise and obesity among employed adults. AcademyHealth Annual Research Meeting. Orlando, FL. June 3-5, 2007. Paper.

2006

An Evaluation of the influence of primary care practice climate on the health of Medicare beneficiaries. AcademyHealth Annual Research Meeting. Seattle, WA. June 25-27, 2006. Paper.

The Influence of psychological and social factors on health and healthy behaviors in an employed population. AcademyHealth Annual Research Meeting. Seattle, WA. June 25-27, 2006. Poster.

Improved intermediate clinical outcomes from participation in a diabetes education class: How much is the class effect and how much is regression to the mean? AcademyHealth Annual Research Meeting. Seattle, WA. June 25-27, 2006. Poster.

#### 2005

The Influence of primary care practice climate on medical services costs and quality of care. AcademyHealth, Annual Research Meeting, Boston, MA, June 26-28. Paper.

Primary care practice climate and potentially risky prescribing. AHRQ Medication Error Expert Meeting, Rockville, MD, May 5-6. Paper.

Linking HMO and SEER registry data to create a tumor registry. HMO Research Network, Annual Conference, Santa FE, NM, April 4-6. Poster.

#### 2004

Moving to a core set of organizational climate measures. AHRQ Patient Safety Research Conference, Washington, DC, Sept. 26-28. Panel participant.

Roles of adult primary care and obstetrics/gynecology practices in providing gynecologic care to women in a managed care organization. AcademyHealth, Annual Research Meeting, San Diego, CA, June 6-8. Poster.

A Low cost method for identification of adults with elevated blood glucose at risk for developing diabetes. American Diabetes Association, Scientific Sessions, Orlando, FL, June 4-8. Poster.

Measuring practice culture change in outpatient settings. National Patient Safety Forum, Annual Patient Safety Congress, Boston, MA, May 3-7. Paper.

Effect of increased cost-sharing on oral hypoglycemic use in five MCOs: How much is too much? HMO Research Network, Annual Meeting, Dearborn, MI, May 3-5. Paper.

#### 2003

Effects of changing collaborative clinical culture on workforce morale and patient outcomes in the primary care practice of an MCO. AcademyHealth, Annual Research Meeting, Nashville, TN, June 27-29. Paper.

Primary care practice climate and potentially risky prescribing in two managed care organizations. AcademyHealth, Annual Research Meeting, Nashville, TN, June 27-29. Poster.

Improving CHF outcomes using an IVR system and targeted nurse follow-up. Society for General Internal Medicine, Annual Meeting, Vancouver, BC, April 30-May 3. Poster.

Improving HMO primary care productivity through use of physician assistants and nurse practitioners. HMO Research Network, Annual Meeting, Denver, CO, April 1-2. Paper.

2002

Commentary on “Methodologic and analytic issues in multi-level studies in quality and cost in health care” by R. Santos and P. Diehr. Penetrating the Black Box: Mechanisms for Enhancing Healthcare Efficiency and Clinical Effectiveness, Seattle, WA, Oct. 17-18.

Collaborative clinical culture and primary care outcomes. AcademyHealth, Annual Research Meeting, Washington, DC, June 23-25. Paper.

Diabetes, glycemic control, and hospital admissions among patients with congestive heart failure. American Diabetes Association, Scientific Sessions, San Francisco, CA, June 14-18. Paper.

2001

Patient satisfaction with primary care: effects of patient, visit, and medical care organization characteristics. AcademyHealth, Annual Research Meeting, Atlanta, GA, June 10-12. Poster.

Use of associate practitioners (PAs, NPs) in primary care delivery. AcademyHealth, Annual Research Meeting, Atlanta, GA, June 10-12. Poster.

Self-monitoring of blood glucose: variation in frequency of monitoring and its association with glycemic control. American Diabetes Association, Scientific Sessions, Philadelphia, PA, June 22-26. Paper.

2000

Persistence and change in perceived health status in a cohort of adults with diabetes. HMO Research Network, Annual Conference, Atlanta, GA, April 4-5. Poster.

1998

Low cost approaches to targeting patients with impending morbidity. Institute for Healthcare Improvement, National Forum on Quality Improvement, Orlando, FL, Dec. 6-8. Workshop.

Inter-area variation in chronic disease prevalence and associated acute care in a managed care organization. AHSR Annual Research Conference, Washington, DC, June 21-23. Poster.

1997

Chronic care performance measures for external reporting purposes: diabetes performance measures. NAHDO Regional Meeting, Kansas City, MO, July 15-17. Paper.

Care coordination programs for working age adults with multiple chronic medical conditions: targeting patients and estimating potential impact. AHSR Annual Research Conference, Chicago, IL, June 16-17. Paper.



1996

Inter-Area variation in hospital admissions among HMO enrollees: an analysis of the effects of chronic disease status and socioeconomic characteristics. AHSR Annual Research Conference, Atlanta, GA, June 7-8. Poster.

1995

Primary care panel workload: measurement and management. AHSR Annual Research Conference, Chicago, IL, June 4-6. Poster.

1994

Integrated quality measurement for adult primary care. AMRRC Ninth Annual Research Symposium, Washington, DC, May 17-18. Paper.

Drug dispensing rates and costs by benefit type: an analysis of purchase patterns by the elderly in a prepaid group practice HMO. AHSR Annual Research Conference, San Diego, CA, June 12-14. Poster.

Differences in diabetes outcomes by health insurance status: an analysis of the 1989 National Health Interview Survey. AHSR Annual Research Conference, San Diego, CA, June 12-14. Poster.

1993

Inequality in the distribution of medical expense in an HMO: an analysis by chronic disease status. AHSR Annual Research Conference, Washington, DC, June 27-29. Poster.

1992

Utilization trends and risk factors for hospital admission among 40-64 year old members of a prepaid group practice HMO. AHSR Annual Research Conference, Chicago, IL, June 7-9, 1992. Poster.

1988

Measures of mortality: a study of coronary artery bypass grafts in the California Medicare population. AMRRC Third Annual Research Symposium, Washington, D.C., October 28-29. Paper.

1987

The Predictive value of claims data for analysis of adverse outcomes of carotid endarterectomy. AMRRC Second Annual Research Symposium, Washington, D.C., September 10-11. Paper.

Subjective and objective judgement in physician peer review. AMRRC Second Annual Research Symposium, Washington, D.C., September 10-11. Paper.

## Research Support

- RNGnnnnn (Roblin, D; Chang H-Y) 04/01/22-03/31/23  
Kaiser Permanente Community Benefit  
Kaiser Permanente/Johns Hopkins University Collaboration  
*EHR-Based Detection of Frailty Risk to Improve Care Management Among Older Adults*  
The goal of our proposed pilot study is to take stock of existing natural language processing (NLP) approaches to identification and extraction of frailty concepts and clinical criteria and use learnings from prior work and collaboration between JHU CPHIT staff and KPMAS MAPRI staff to develop and evaluate a “next generation” of an NLP algorithm to identify frail persons using digitized EHR provider notes. Our objective is to improve care management among older adults by reliably identifying – at a population-level – prevalence of frailty features to inform resource planning within healthcare systems and timely detection of incident or worsening frailty among individual patients or at risk patient subgroups for whom early intervention might mitigate adverse effects of frailty.
- 1R01CA248413-01A1 (Wang, J) 04/01/21-08/31/25  
NCI  
*Longitudinal investigations of psychosocial impact and lifestyle on biological response, symptom management, and functioning between Chinese and White breast cancer survivors*  
The goal of this study is to investigate how patient symptoms and biologic factors mediate the relationships between sociocultural factors and quality of life outcomes among women with breast cancer, with a focus on a comparison of Chinese women and non-Hispanic white women.  
Role: Investigator
- Federal TO 043-160-808 (Kharrazi H) 10/01/20-09/30/22  
AHRQ  
*Developing and Assessing the Validity of Claims-based Indicators of Frailty & Functional Disabilities and Testing their Use in Other Data (EHRs and linked EHR-claims)*  
The overall goal is to evaluate how the Kim et al. frailty index, which is based on electronic health record data, might be sensitive to the extent of availability and sources of computerized data in different health care systems and in different patient subgroups (e.g., age, gender, race/ethnicity). KPMAS will also evaluate how the Kim et al. frailty index correlates with items and responses indicative of frailty in the Medicare Total Health Assessment.  
Role: Site principal investigator, Investigator
- RNG210568 (Roblin, D) 02/01/20-12/31/21  
Kaiser Permanente Research/Program Office  
*Effects of Virtual Visit Utilization on In-Person Utilization and Treatment Adherence: A Multi-site Retrospective Cohort Study*

The overall purpose of this study is to improve understanding of patient-, provider- and system-level factors driving uptake of virtual visits and implication of the shift from in-patient visits to virtual visits on practice management and health policy.

Award 20-05206 (Martinson, B) 09/01/20-11/30/21\_  
Arnold Foundation

*Systematic Surveillance of Patient-Reported Symptoms of Viral Respiratory Tract Infectious Syndromes in Diverse Populations*

The objectives of this study are: 1) to assess the feasibility of implementing routine automated symptom surveillance of COVID19 and ILI patients at 3 sites (HealthPartners, KPMAS, KPGA) using the FLU-PRO instrument, and 2) to evaluate psychometric properties of the instrument in COVID19 versus ILI patients.

Role: Site principal investigator

HSN2272201700013C (Sigal G, Campbell, C) 05/01/20-04/30/21  
NIAID

*Scalable saliva tests for COVID-19 serological surveys*

The goal of this study to develop serology tests for SARS-CoV-2 and to assess the short- and long-term health consequences of COVID-19. Serial saliva tests will be collected on a sample of 500 KPMAS adults presenting with COVID-19 symptoms. Nasopharyngeal test results will be matched with saliva sample biomarker assays to determine sensitivity and specificity of biomarkers to PCR based positivity. A case:control analysis will also be conducted to establish associations of age, gender, race/ethnicity with COVID-19 positivity and biomarkers.

Role: Investigator

UG1DA040314 (Campbell, C) 06/01/18-2/28/21  
National Institute on Drug Abuse

*Integrating Addiction Research in Health Systems: The Addiction Research Network*

The overall purpose of this study is to evaluate “what works” for identifying, engaging and treating patients with substance use disorders (SUDs) in medical settings, to develop and test ways for health systems to practically implement “what works” in a sustained manner as part of routine medical care; and to conduct methods research needed to support agendas one and two.

Role: Co-Investigator

UG1DA040314 (Campbell, C) 06/01/18-2/28/21  
National Institute on Drug Abuse

*Addiction Research Network (ARN): Establishing a Prescription Opioid Registry across Diverse Healthcare Systems*

The overall purpose of this study is to develop a multi-site, multi-year electronic health record registry of opioid medication treatment and addiction therapy, to conduct methods research needed to support mitigation of opioid use, and to understand the impact of practical interventions on opioid use to improve analgesic medication use and improve substance use disorder treatment.

Role: Site Principal Investigator

RNG210450 (Roblin, D; Elham H) 12/01/19-11/30/20  
Kaiser Permanente Community Benefit  
Kaiser Permanente/Johns Hopkins University Collaboration  
*A Pilot Study to Improve the Use of Electronic Health Records for Identification of Patients with Social Risks and Needs*  
The objectives of this pilot project are to: (1) develop a natural language processing (NLP) algorithm to collect valid measures of social risks and needs from the Johns Hopkins Medical Institute (JHMI) and Kaiser Permanente (KP) EHR Epic-based platforms; (2) validate the NLP algorithm through expert review and quantitative tests of precision and recall; (3) elicit the opinions of JHU and KP stakeholders as to the value and generalizability of the NLP algorithm for improving patient care and outcomes, and mitigating socioeconomic disparities across individuals and communities.

RNG210451 (Roblin, D; Davison, A) 12/01/19-11/30/20  
Kaiser Permanente Community Benefit  
Kaiser Permanente/Johns Hopkins University Collaboration  
*Barriers and Facilitators to Provider Adoption of Medication Price Transparency Tools in Electronic Medical Records*  
The objectives of this study are to: (1) compare rates of medication orders for high cost drugs pre- and post-adoption of an electronic health record tool to manage such orders in one healthcare setting compared to rates of medication orders in a healthcare system that did not adopt such a tool; and, (2) collect information on attitudes and behaviors toward the adoption and use of medication price transparency tools.

RNG209634 (Roblin, D) 01/01/20-12/31/20  
Kaiser Permanente Community Benefit  
*Complex Care Program (CCP) Evaluation*  
The objective of this study is to compare utilization and quality of life outcomes of high cost/high need adults of KPMAS who volunteer to participate in the CCP with these outcomes in a propensity score matched cohort of matched adult patients.

RNG210513 (Roblin, D; Ter-Minassian, M) 01/01/20-12/31/20  
Kaiser Permanente Community Benefit  
*Low Dose CT Lung Cancer Screening Pilot*  
This is a retrospective observational study to ascertain: 1) patient risk factors associated with likelihood of a physician order for low dose CT (LDCT) scan for lung cancer screening, and 2) patient and radiologist characteristics associated with 90-day recall for a repeat LDCT.

RNG210530 (Roblin, D) 01/01/20-11/14/22  
Kaiser Permanente Research/Program Office  
*Kaiser Permanente Interregional Cancer Statistics Project*  
The overall purpose of this study is to develop a new report to include incidence of 5-year relative survival metrics for breast, colorectal, and lung cancer in order to inform quality improvement. Work will include a review of current procedures and methods used by

KP regional cancer committees to generate region-specific reports; generation of estimates of cancer-specific mortality and all-cause mortality; and assessment of interregional available death and cause of death data.

Role: Site Principal Investigator

Innovations Fund (Roblin, D)

08/01/20-07/31/21

Garfield Memorial Fund

*Identification of Potentially Long-term Pulmonary Complications of COVID-19: A Pilot Study of Low-Dose Chest CT Imaging*

The goal of our proposed pilot study is to collect low dose CT (LDCT) findings from chest evaluations of a representative sample of Caucasian and African American adults by presence of acute respiratory distress syndrome (ARDS) and COVID-19 positive or negative screening results. Findings from our study would help to determine if a larger multi-site research application to NHLBI or a similar funding agency might be possible and provide critical preliminary data on variation in LDCT findings by COVID-19 attributable respiratory health, race, and other risk factors (e.g., smoking history, comorbidities, and socioeconomic status).’

1R01HD092595 (Goodman, M)

09/08/17-05/31/21

NICHD

*Cohort Study of Morbidity and Mortality in DSD Patients*

The goal of this proposal is to compare disorders of sex development (DSD) quality of care Indicators (QCI) against actual DSD management delivered at large nationwide integrated health care systems. We will estimate the percentage of DSD patients who received care according to each QCI, compare incidence and prevalence of comorbidities in DSD patients to the corresponding measures among frequency matched patients, and assess the proportion of prophylactic gonadectomies that show malignant or precursor lesions on the resulting pathology specimens.

Role: Investigator

PRJ2349 (Duh M)

07/31/17-12/31/20

Analysis Group LLC (via GlaxoSmithKline)

*Validation of COPD Exacerbation Definitions in US Healthcare Utilization Databases*

The objective of this retrospective observational study is to collect and analyze KPMAS electronic health record (EHR) data to develop and validate an EHR-based algorithm to identify acute exacerbations of chronic obstructive pulmonary disease.

Role: Site Principal Investigator

CLCZ696B2013 (Go A, Smith DH)

07/01/16-7/31/22

Novartis Pharma AG

*Database cohort study to assess the risk of serious angioedema in association with LCZ696 (sacubitril/valsartan; Entresto) use in Black patients with heart failure in the United States*

This study will provide estimates of the incidence of angioedema among heart failure (HF) patients initiating sacubitril/valsartan and HF patients initiating an angiotensin-converting enzyme inhibitor (ACEI), with a primary focus on Black HF patients. These

estimates will quantify the risk of angioedema among HF patients initiating acubitril/valsartan compared to HF patients initiating an alternative ACEI.

Role: Site Principal Investigator

RNG209776 (Roblin D) 09/01/18-08/31/19

Kaiser Permanente Community Benefit

Kaiser Permanente/Johns Hopkins University Collaboration

*Socioeconomic Circumstances and Asthma Medication Management in the Baltimore Area: Learning How to Identify Care Gaps and Target Interventions*

The goal of this study is to demonstrate how existing HER data can be assembled to address disparities in asthma medication management and outcomes and to target future interventions to mitigate disparities. Hierarchical models will be used to identify hot spots of sub-optimal asthma medication management in the Baltimore metropolitan area.

RNG209777 (Roblin D) 09/01/18-08/31/19

Kaiser Permanente Community Benefit

Kaiser Permanente/Johns Hopkins University Collaboration

*Realizing the Health Benefits of Rehabilitation Programs for Cardiopulmonary Disease: What Can Healthcare Systems Do to Improve Patient Engagement and Participation?*

The goals of this study are: 1) to understand patient, healthcare provider, and community stakeholder perspectives on barriers to, and facilitators of, participation in post-acute, exercise-based outpatient cardiac rehabilitation (OCR) and pulmonary rehabilitation (OPR), and 2) to determine if community-based OCR and OPR can increase patient participation, completion, and maintenance compared to facility-based programs.

1-R0-1HD092595-01 (Goodman M) 09/08/17-05/31/22

*Pathways to Care and Health Outcomes Among DSD Patients*

The goal of this proposal is to develop a longitudinal study of patterns of care and health outcomes among individuals who were diagnosed with disorders of sex development (DSD).

Role: Investigator

Health Innovations Project Award (Roblin D) 01/01/15-12/31/17

Emory ACTSI

*An Assessment of the Feasibility of Call Center Data for Syndromic Surveillance*

The objective of this pilot project is to assess whether nurse call center records better represent the timing and scale of syndromic response to natural phenomenon (air pollution, pollen, water contamination) than other data sources (physician visits, ED visits, hospital admissions) which are traditionally use for syndromic surveillance.

GSU ACRDC Seed Grant (Roblin D) 05/01/14-06/30/14

*Did the "Great Recession of 2008-2009" Modify the Health Status of US Adults?*

This application proposes to develop a linked dataset – individual data from the National Health and Nutrition Examination Surveys (NHANES) with county unemployment rates from the Bureau of Labor Statistics (BLS) and county food prices from the Council for

Community and Economic Research (C2ER) – that will be innovative as a data resource for supporting a series of future research proposals and scientific investigations.

5U19HS021110 (Saag K) 09/01/13-08/31/16

AHRQ

*UAB Deep South Arthritis and Musculoskeletal CERT*

KPGA will participate in design, implementation, and evaluation of a nurse-based intervention to reduce bisphosphonate discontinuation rates.

Role: Site principal investigator

Service Agreement (Auerbach D)

AAFP

09/01/13-12/31/14

*The Impact of Nurse Practitioners as Primary Care Providers on Health Care Utilization, Quality of Care, and Patient Visit Experience*

The overall objective of this study is to model the effects of changes in the integration of mid-level practitioners (PAs, NPs) in adult primary care practice on use of medical services (visit mix, ancillary services), quality of care (diabetes management), and patient visit satisfaction.

Role: Co-principal investigator

Service Agreement (Goodman M)

09/01/13-08/31/14

Johnson and Johnson / Chemrisk

*Adverse Effects of Joint Replacement among Kaiser Permanente Georgia Patients*

This EMR-based cohort will be used to achieve the overall project goal of assessing the feasibility of a large-scale national study of arthroplasty patients, and will provide preliminary data on morbidity associated with different types of joint implants.

Role: Co-principal investigator

AD-12-11-4532 (Goodman M)

09/01/13-08/31/16

PCORI

*Comparative Risks and Benefits of Gender Reassignment Therapies*

The goal of this study is to understand the short- and long-term health issues among transgender persons who had or are planning to have a sex change treatment. This project is an electronic medical record-based study evaluating a group of 6,500 transgender individuals, whose care is covered by the Veterans Administration (nationally) or by Kaiser Permanente.

Role: Site principal investigator

1R21HD076387-01 (Goodman M)

09/01/13-08/31/15

NICHD

*Cohort Study of Mortality and Morbidity in Transgender Persons*

The goal of this study is to conduct a series of focus groups of transgender persons to ascertain issues related to treatment compliance and complications.

Role: Site principal investigator

1 R01 HL114981- 01 (Lu M)

09/01/12-08/31/16

NHLBI

*Pragmatic Cluster Randomized Trial of an Asthma Intervention for Urban Teens*

The objectives of this study are 1) to implement a seamless clinical trial lifecycle using EMR initiatives and 2) to design and conduct a Phase II trial using EMR-RDC integration to evaluate an asthma management program for urban teens in a clinical setting.

Role: Site principal investigator

Service Agreement (Goodman M)

01/01/11-12/31/11

KPGA Community Benefit

*Study of Race, Stress, and Hypertension*

The objective of this pilot study is to evaluate genetic and environmental factors that may explain racial disparities in the prevalence and severity of hypertension. The study is designed to assess dietary, lifestyle and psychosocial exposures and their relation to blood pressure and arterial hypertension.

Role: Investigator

1U01HL105268-01 (Kiefe C)

10/1/10-09/30/14

NHLBI

*Transitions, Risks, and Actions in Coronary Events Center for Outcomes Research and Education*

This project will develop registries for prospective monitoring of services, devices, and medications provided to patients who have been hospitalized with coronary artery disease in order to evaluate the comparative effectiveness of alternative strategies for providing cardiovascular care.

Role: Site principal investigator

1R01AG033035-01A2 (Cram P)

05/01/10-03/31/15

NIA

*A Patient Activation Intervention to Enhance Bone Health*

This patient randomized trial will evaluate an intervention to engage elderly patients more actively in their health following a DXA scan by improving understanding of osteoporosis risk and risk-appropriate treatment and, thereby, improving bone-related quality of life.

Role: Site principal investigator

1P50HS018910-01 (Franklin P)

04/01/10-03/31/14

AHRQ

*Improving Orthopedic Outcomes: Through a National Total Joint Replacement (TJR) Registry*

This project will develop registries for prospective monitoring of services, devices, and medications provided to patients who have been provided total knee or total hip replacements in order to evaluate the comparative effectiveness of alternative strategies for providing orthopedic care.

Role: Site principal investigator

5R01CA140754-01 (Johnson C)

04/01/10-01/31/14

NCI



*Statins and Lymphoid Malignancy Risk in a Large Multi-site Population-based Cohort*

The primary objective of this retrospective observational study is to quantify the association between statin use and risk of lymphoma, overall and by lymphoma subtypes.

Role: Site principal investigator

1R21DK081887-01A1 (Roblin D)

09/30/09-09/29/12

NIDDK

*Psychosocial Effects on Patient Adherence, Allostatic Load, and Chronic Disease*

The primary objective of this study is to test the hypothesis that adherence to 1) recommended lifestyle and 2) prescribed medication regimen mediates the association of psychosocial stress and personal distress with allostatic load, chronic disease onset, and chronic disease progression.

1P20CA137219-01 (Dearing J)

10/01/08-09/30/12

NCI

*CRN Center for Excellence in Cancer Communication Research*

The overall objective of this project is to establish a program for evaluation of effective strategies for improving communication related to cancer care and for translation of those strategies into practice. KPGA will participate in the Administrative Core and in 1 of the 3 primary projects – developing and evaluating effective strategies for provider communication with patients about potential errors during cancer care.

Role: Site principal investigator

RSGHP-08-139-01 (Roblin D)

07/01/08-06/30/10

American Cancer Society

*High Deductible Health Plans and Receipt of Cancer Prevention Services*

The objective of this study is to compare receipt of breast cancer screening (screening mammograms) and cervical cancer screening (Pap smears) among age-eligible women enrolled in high deductible health plans to receipt of these services in a cohort of women enrolled in traditional health maintenance plans over a 4-year period at KPGA and KPCO.

2P60AR048095-06 (Saag K)

05/01/08-04/30/13

NIAMS

*Improving Care of Osteoporosis: Multi-Modal Intervention to Increase Testing and Treatment (ICOMMIITT)*

The purpose of this study is to rigorously test the incremental impact of simple, generalizable interventions to improve healthcare among older women at high risk for osteoporosis. The trial will use a group-randomized design involving three different interventions (system, provider, and patient) targeting women > 65 years of age not previously tested or treated for osteoporosis at KPGA and KPNW.

Role: Site principal investigator

1U18HS016955 (Platt R)

09/01/07-08/31/11

AHRQ

*The HMO Center for Education and Research in Therapeutics (CERT III)*

This is a renewal application of the HMO Research Network CERT, a multi-site consortium to develop the data and intellectual infrastructure to conduct studies of national importance in pharmacoepidemiology and pharmacoconomics. KPGA will participate in core infrastructure activities and in the substudy "Antipsychotic Medication Use in Children and Glycemic Control".

Role: Site principal investigator

1R21DK075076-01A1 (Raebel M)  
NIDDK

09/28/07-08/31/09

*Diabetes and Drug-Associated Hyperkalemia: Effect of Laboratory Monitoring*

The objective of this study is to determine the incidence of hyperkalemia-associated adverse outcomes among ambulatory patients with diabetes newly initiating ACEi, ARB, and/or ARA) and to explore whether an association exists between monitoring serum potassium and hyperkalemia-associated adverse outcomes.

Role: Site principal investigator

5U19CA079689-09 (Wagner E)  
NCI

05/01/07-04/30/12

*Cancer Research Network Across Health Care Systems 3 (CRN): Infrastructure*

The overall goal of the HMO Cancer Research Network (CRN), and the NCI initiative under which it was funded, is to enhance research on cancer prevention, early detection, treatment, long-term care and post-diagnosis monitoring in the context of health care delivery systems.

Role: Site principal investigator

5U19CA079689-09 (Mazor E)  
NCI

05/01/07-04/30/12

*CRN3 Health Literacy and Cancer Prevention: Do People Understand What They Hear?*

The study proposes to develop a psychometrically-sound test of comprehension of oral messages about cancer screening and prevention practices and to evaluate a computer-based version of the test to a sample of 900 English speaking adults (age 40-70) selected from 3 sites (Meyers, Kaiser Northwest and Kaiser Georgia) of the HMO Cancer Research Network (CRN).

Role: Site principal investigator

5U48DP000043-03 (Becker ER)  
CDC (SIP Program)

09/01/06-09/29/08

*BRFSS Actions to Control Blood Pressure: Reliability and Validity*

The study will explore the psychometric properties, including differential item functioning by race/ethnicity and gender, of the BRFSS "Actions to Control High Blood Pressure" collected from a sample of 3000 Kaiser Permanente Georgia adults with diagnosed hypertension.

Role: Co-Investigator

1R01CD000033-01 (Becker ER)  
CDC

09/30/04-09/29/07

*Impact of Health Promotion Programs on MCO Family Health*

This is both a retrospective and prospective observational study to assess the impact of three sources of health promoting activities on the health of employees and their families. The working hypothesis is that primary health care teams with effective teamwork activate empanelled MCO enrollees (who subsequently activate family members) to engage in health promoting activities, including participation in worksite wellness programs and MCO health education classes. As a consequence, these enrollees and their family members have better health outcomes than enrollees (and family members) empanelled to primary health care teams that are less effective at activating their patients to engage in health promoting activities.

Role: Co-investigator

Service Agreement (Rose S)

07/01/04-06/30/05

Novo Nordisk

*CORE Diabetes Model*

The overall objective of this study is to apply the CORE Diabetes Model to aggregated KPG datasets describing characteristics of adults with diabetes in order to estimate future complication rates among patient subgroups.

Role: Co-Investigator

5U18HS010391-05 (Platt R)

09/30/03-09/29/07

AHRQ

*The HMO Center for Education and Research in Therapeutics II (CERT II)*

The HMO Research Network CERT is a multi-site study to develop the data and intellectual infrastructure to conduct studies of national importance in pharmacoepidemiology and pharmacoconomics. Kaiser Permanente Georgia will be participating in the following core studies: improving post-AMI care (e.g. aspirin use), evaluating adverse drug events in outpatient chemotherapy, and developing models for surveillance of adverse drug reactions in computerized administrative databases.

Role: Co-Investigator

EPI40252, 40253, 40454 (Gurwitz J)

05/15/03-12/31/05

GlaxoSmithKline

*An Epidemiologic Study for the Study of the Safety and Utilization of Alosetron in the United States*

This is a prospective epidemiologic surveillance study of the safety and use of alosetron within the HMO Research Network in addition to two other national research consortia. This surveillance study was mandated by the FDA as a condition of the re-introduction of alosetron by GlaxoSmithKline in 2003, approximately 1 year after the FDA ordered the medication be withdrawn from use due to concerns about serious side-effects.

Role: Site principal investigator

7R01HS011991-03 (Greenfield S)

01/01/02-06/30/04

AHRQ

*Organizational Culture, Workforce Characteristics, and Quality of Care in a Primary Care Practice*

This is a study to examine the associations between organizational culture, workforce characteristics, and quality of care in the KPG primary care practice from 1997 through 2002. Organizational culture (perceived practice design and efficiency, morale and satisfaction) has been measured by survey in mid-2000 (80% response rate) and 2002 (91% response rate). Hierarchical models, accounting for repeated measures on observations at each level, will be used to evaluate potential effects of change in patient case mix, practitioner workforce, and/or organizational culture on performance measures for preventive medicine and chronic disease management.

Role: Co-Investigator

HMO Research Network IDSRN (Selby J) 10/01/01-03/31/03

AHRQ Task Order

*Association of Working Conditions with Prescribing Errors in Primary Care Practice*

This was a retrospective observational study of the association of rates of "risky prescribing events" (RPEs) with both structural and functional characteristics of the primary care practices of two managed care organizations (MCO). The principal aim of this study was to estimate the cross-sectional associations of variation in patient characteristics, practitioner characteristics, and working conditions (workload and organizational culture) with variation in RPE rates.

Role: Investigator

Improving Chronic Illness Care Initiative (Roblin D) 03/01/01-01/31/03

The Robert Wood Johnson Foundation

*Improving CHF Outcomes Through Automated Clinical Data Acquisition and Targeted Nurse Follow-up*

This was a randomized controlled trial to evaluate an interactive voice recognition and response (IVR) system for automated clinical data acquisition from CHF patients. Using that data, nurse care manager follow-up was targeted to subsets of patients likely to benefit from timely intervention (e.g. patients with sustained recent weight gain).

Innovations Grant (Roblin D) 01/01/01-08/31/02

Garfield Memorial Fund (Kaiser Permanente)

*Evaluation of Primary Care Redesign*

The purpose of this study was to evaluate longitudinal associations between changes in the organization of delivery of primary care in KP-Georgia from a model based on primary care physician accountability to a model based on a health care team accountability. Principal outcomes of interest were: patient satisfaction, practitioner satisfaction, primary care physician productivity, and quality of care.

5U18HS010391-03 (Platt PI) 09/30/00-09/29/03

AHRQ

*The HMO Center for Education and Research in Therapeutics I (CERT I)*

The HMO Research Network CERT is a multi-site study to develop the data and intellectual infrastructure to conduct studies of national importance in pharmacoepidemiology and pharmacoconomics. Kaiser Permanente Georgia

participated in 3 core studies: trends in pediatric antibiotic use, role of ACEI use in reducing morbidity and mortality among CHF patients, and cost-sharing effects on oral hypoglycemic use.

Role: Site investigator, Investigator

Innovations Grant (Roblin D) 09/01/00-08/31/02

Garfield Memorial Fund (Kaiser Permanente)

*Evaluation of Alternative Methods of Physician Reimbursement*

The purpose of this study was to assess how different ways of integrating physicians into the KP-Georgia care delivery system and methods of reimbursement (capitation, discounted FFS) are associated with variation in use of medical services and in patient satisfaction with care.

Innovations Grant (Frost F) 08/01/01-07/30/02

Glaxo-Smith-Kline

*Survival of COPD Patients with Regular Use of Salmeterol and/or Fluticasone Propriate*

This was a retrospective nested case control study of survival in two cohorts of patients with COPD: those exposed to salmeterol and/or fluticasone propionate and those not exposed to these drugs but exposed to other specific COPD drug regimens.

Role: Site investigator

Innovations Grant (Weinberg W) 11/01/01-06/30/02

Merck

*Do Ticarcillin/Clavulanate and Piperacillin/Tazobactam Increase the Risk of Hemorrhage in Critically Ill Patients?*

This was a retrospective observational study of risk of hemorrhage in critically ill patients comparing risks in a cohort of patients administered antibiotics known to cause platelet dysfunction with risks in a cohort of patients administered antibiotics not known to cause platelet dysfunction.

Role: Investigator

ACHP Task Order 953-038 (Roblin D) 10/01/99-06/30/00

CDC

*Disparities in Cardiac Rehabilitation Care*

The purpose of this study was to evaluate disparities by race/ethnicity and by gender in delivery of cardiac rehabilitation services following hospital admission for coronary artery disease in KP-Georgia.

Task Order 953-022 (Roblin D) 10/1/97-09/30/98

CDC/ACHP

*Diabetes Quality of Life Measures for HEDIS*

The purpose of this study was to evaluate the associations of glycemic control and complications of diabetes on quality of life in a cohort of adults with diabetes.

Chronic Illness Care (Corrigan J) 01/01/96-06/30/97

RWJF

*Chronic Care Performance Measures for Public Reporting*

The purpose of this study was to pilot test specifications, data collection strategies, and statistical variation in chronic care measures to be added to the HEDIS data set (asthma, CAD, diabetes, depression).

Role: Investigator

Chronic Illness Care (Roblin D)

07/01/95-12/31/96

RWJF/Garfield Memorial Fund

*Care Coordination Programs for Working Age Adults with Multiple Chronic Illnesses*

This study investigated the prevalence, clinical outcomes, and quality of life among working age adults with multiple chronic illness (asthma, CAD, COPD, diabetes, hypertension).

Innovations Grant (Thomas E, Roblin D)

01/01/94-07/31/95

Garfield Memorial Fund (Kaiser Permanente)

*NICU Health Risk and Resource Use Study*

The purpose of this study was to evaluate risk-adjusted variation in NICU use (triage of newborns between normal nursery and NICU, and subsequent length of stay) across 4 KP sites.

Innovations Grant (Roblin D)

07/01/93-10/31/94

Garfield Memorial Fund (Kaiser Permanente)

*Primary Care Physician Panel Workloads: An Evaluation of Alternative Methods of Risk Adjustment.*

The purposes of this project were 1) to develop and calibrate a pharmacy-based measure of patient risk and 2) to compare this measure's predictive properties with a diagnosis-based measure of patient risk so that primary care physician panel workloads could be adjusted in proportion to patient burden of illness.