

Christianne L. Roumie, M.D., M.P.H.

Office Address:	Nashville VA Medical Center 1310 24 th Ave South, GRECC Nashville, T.N. 37212
Office Phone:	(615) 873-8013
Place of Birth:	New York, New York
Email:	Christianne.Roumie@vanderbilt.edu Christianne.roumie@vumc.org

EDUCATION AND TRAINING

Rutgers University, Douglass College New Brunswick, New Jersey Bachelors of Arts, Biological Sciences, with honors Minor, Psychology	August, 1990- May, 1994
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Rutgers University University of Medicine and Dentistry, New Jersey Medical School Newark, New Jersey Doctor of Medicine, <i>Alpha Omega Alpha</i>	August, 1994- May, 1998
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Vanderbilt University Nashville, Tennessee Masters Public Health Thesis: <i>Antibiotic Prescribing Patterns in Outpatient Settings</i>	September, 2002- May, 2005
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Internal Medicine and Pediatrics residency training Vanderbilt University Medical Center Nashville, Tennessee	June, 1998- June, 2002
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VA National Quality Scholars Program Nashville, Tennessee	July, 2002- June, 2004
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LICENSURE AND CERTIFICATIONS

Diplomate, National Board Medical Examiners	May, 1999
Tennessee Medical License	July, 2000
Diplomate, American Board of Internal Medicine	2002 through 2012
Recertification	2012 through 2022
Diplomate, American Board of Pediatrics	2002 through 2012
Recertification	2012 through 2022
Drug Enforcement Agency prescriber	April, 2001
ACLS Instructor	June, 2002- November, 2006
PALS/ NALS	June, 2002

BLS

Active through January, 2020

ACADEMIC and HOSPITAL APPOINTMENTS

Nashville VA Medical Center Staff Physician Internal Medicine	2002- present
Vanderbilt University Medical Center, Clinical Instructor Internal Medicine/Pediatrics	2002- June, 2005
Vanderbilt University Medical Center, Assistant Professor Internal Medicine/Pediatrics	July, 2005- February 2014
Vanderbilt University Medical Center, Associate Professor, with tenure, Internal Medicine/Pediatrics	February, 2014- July 2020
Vanderbilt University Medical Center, Professor, with tenure Internal Medicine, Pediatrics and Health Policy	July 2020- Present

EMPLOYMENT

Research Assistant Data Manager, Bone Marrow Transplant Hackensack University Medical Center Hackensack, New Jersey	1992- 1994
Research Assistant, Women's Health Initiative Rutgers U.M.D.N.J - New Jersey Medical School	1995
Tutor, Department of Academic Development U.M.D.N.J Tutored first year medical students in Biochemistry, Cell and Tissue Biology and Physiology	Fall, 1995- Spring, 1998

SCHOLARSHIPS & HONORS/AWARDS

Deans Letter of Commendation, UM.D.N.J.	1994; 1996
U.M.D.N.J. Alumni Association Scholarship	1995; 1997
U.M.D.N.J. Foundation Scholarship	1995, 1996, 1997
AMWA Membership Achievement Citation	1998
Sigma Xi Scientific Research Society	1998
Alpha Omega Alpha Medical Honor Society	1998- present
FDA, Advisory Committee Service Award	2018
The Grant Liddle Research Appreciation Award	2019
VUMC Biomedical Science Impact Award	2020

PROFESSIONAL ORGANIZATIONS

American Medical Women's Association	1994-1998
American Medical Association	1994-2002
American Academy of Pediatrics	1994-2002
Society of General Internal Medicine	2003- present
American College Physicians	Elected January, 2005
Fellow, American Academy of Pediatrics	Elected April, 2005
Academy for Healthcare Improvement	2006- present
Fellow, American College Physicians	Elected April, 2009
American Heart Association	2011
International Society of Pharmacoepidemiology	2013

PROFESSIONAL ACTIVITIES

Intramural (Current)

1. Deputy Director- Nashville VA Quality Scholars Fellowship Program
June, 2007- present
2. Vanderbilt Medical Scholars Grant Reviewer
2016 -present
3. Director, Masters Public Health Program
Vanderbilt University
August, 2020- present

Intramural (Past)

Curriculum Committee, Department of Pediatrics	1998 – 2002
Chair --Tennessee Valley Healthcare System (TVHS)	
Hypertension Performance Improvement Committee	Appointed September 2006
TVHS- Traveling Research Storyboard- Focus on Hypertension	May 2007
Course reviewer for First year medical student Intersession course	August 2010
Vanderbilt Medical School Admissions Interviewer	November 2007- 2012
Epidemiology Track Director, Masters Public Health Program Vanderbilt University	December, 2015- August, 2020

National Extramural (Current)

1. Peer Reviewer Abstracts- National Meeting VA- HSR&D
2006- present

2. Systolic Blood Pressure Intervention Trial
Publications and Presentations Subcommittee Appointed 2011
3. Grant reviewer VHA Health Services Research and Development
QUERI-Rapid Response projects 2011, 2014
4. Center for Scientific Review NIH
IRG (HSOD) study section temporary member June, 2012; 2014- present
IRG (Biostatistical Methods and Research Design (ZRG1 HDM) 2018
NHLBI K grant reviewer (MPOR) temporary member 2018
5. American Heart Association International Stroke Conference
Abstract Reviewer 2012-2018
6. International Conference of Pharmacoepidemiology
Abstract Reviewer 2014- present
7. Food and Drug Administration (5 year term)
Member, Non-prescription Drugs Advisory Committee Appointed July 2013
Chair, Non-prescription Drugs Advisory Committee Appointed July 2015
Member, Non-prescription Drugs Advisory Committee Appointed June 2019
8. Grant Reviewer VHA Health Services Research and Development 2018
Centers for Innovation Grants

National Extramural (Past)

- VA Compensation and Pension Collaborative 2003
- VA Kenneth W Kizer Quality Achievement Grant Reviewer 2003-2004
- Small Group Leader
- VHA Geriatric Scholars 2009-2010
- Peer Review Abstracts/Workshops National Meeting
- Society of General Internal Medicine 2006- present
- Member- VA Stroke QUERI (Risk factor Modification Workgroup) October 2007- present
- VHA Geriatrics Pharmacy Taskforce
- Medication Appropriateness Workgroup 2010
- Agency for Healthcare Research and Quality Diabetes Multi-Center
- Research Consortium – 2 Executive Committee 2011- end October 2012
- Society General Internal Medicine
- Committee Chair for Preventive Medicine section April 2013
- SWOG/ Hope Foundation VA Grant reviewer August 2015

International Extramural

1. Canadian Institute of Health Research grant review 2006
2. External Examiner for PhD thesis of Blainaid Hicks (Queens University Belfast, Northern Ireland)
Modifiable risk factors and cancer survival: An investigation of pharmacological exposures, smoking and survival among breast and colorectal cancer patients 2015
3. Cancer Research UK grant reviewer 2016
4. French Stroke Research Foundation, grant reviewer 2017
5. Diabetes Research UK grant reviewer 2017-2018

Journals

Section Editor

Journal of Clinical Outcomes Management

2004 – May 2006

Reviewer

- *New England Journal of Medicine*
- *Journal of the American Medical Association*
- *JAMA Internal Medicine*
- *Journal General Internal Medicine*
- *Diabetes Care*
- *Canadian Medical Association Journal*
- *American Journal of Medicine*
- *Pharmacoepidemiology and Drug Safety* (*Top reviewer 2011)
- *Annals of Internal Medicine* (*Top 10% of reviewers 2006-2012)
- *British Medical Journal*
- *Circulation*
- *Circulation- Cardiovascular Quality and Outcomes*
- *Medical Care*
- *Hypertension*
- *BMC- Public Health*
- *The International Journal for Quality in Health Care*

TEACHING RESPONSIBILITIES

Current

GME

1. Clinician – Med/Peds Clinic (½ day/ week) 2002- present
2. Orientation to the Nashville Quality Scholars Curriculum 2006- present
 - Plan month long orientation to national fellowship in quality improvement
 - Constructed a formal list of expectations for each fellow

- Includes the following didactic sessions
 - Mentorship/Menteeship
 - Scientific Productivity
 - Time management
 - Quality improvement process mapping
 - Planned self-reflection “worksheet” and IDP for them to track their progress throughout the fellowship
3. Masters of Public Health Program, Vanderbilt University
 Grants/ Grant writing course --1 lecture each spring
 “VA Funding and Career Development Awards” Spring, 2007-present
4. Preceptor- Med/Peds Resident Clinic (½ day/ week) 2013- present

Past

UME

Small Group Leader Epidemiology and Preventive Medicine 2003- 2010

- ~15 Second Year Students
- 8-10 sessions in Fall semester /each session approximately 2- 3 hrs

GME

Cairo, Egypt

Delivered multiple presentations to resident physicians
 in PICU at a children’s teaching hospital. February, 2001

Masaai Mara, Kenya

Education of clinic workers at 6 sites within Kenya Oct., 2001 and Jan., 2003

Clinician/ Preceptor- Emergency Room- VA Hospital 2002- 2005

Clinician/ Preceptor- Vanderbilt Pediatric Emergency Room 2002- 2005

VA Ward Attending, General Medicine- (2 weeks-1 month/ year) 2002- 2017

Physical Diagnosis- Vanderbilt Second Year Students 2002- 2007

Pediatrics Journal Club- Director 2008- 2011

(Twice a month)

Preceptor General Medicine Resident Clinic- VA (½ day/ week) 2002- 2013

Internal Medicine Journal Club –Co-Director 2004- 2012

- Created a curriculum used by the residents in both Internal Medicine and in Pediatrics that reviews basics of study design, common definitions, and statistical methods and provides an outline to frame each article reviewed at Journal Club.
- We also developed a formal evaluation of the journal club curriculum with a pre test post test

to assess the important concepts

- Learner needs assessment with twice yearly meetings with the journal club committee to determine strategy for teaching larger resident group

Mentoring List available on request

RESEARCH PROGRAM

Grants (Current)

1. **Effectiveness of newer hypoglycemic medications among veterans**
VA- CSRD IIR I01CX000570-09 10/1/2020- 9/30/2024
PI: Roumie (20%)
Approximately 30 million adults have diabetes (DM) in the United States and DM confers a risk for cardiovascular disease (CVD). Between 2013-2017 multiple clinical trials of newer agents (SGLT2 or GLP1RA) were conducted versus placebo that demonstrated cardiovascular or renal benefit with a pronounced effect among those with pre-existing CVD. There is less data available among those without CVD. Evidence on the advantages and risks of these newer agents relative to other commonly used medications remains unknown because data from real world cohorts is methodologically limited for many reasons. We propose to conduct a large longitudinal national study using administrative, clinical and laboratory data to quantify the relative risks and benefits of newer antidiabetic agents among Veterans. We will include cardiovascular and renal outcomes and risks of amputations and fractures in 2 distinct cohorts, those with and without CVD. This study would be the largest methodologically rigorous evaluation of newer antidiabetic medications in Veterans to date.
2. **Influenza Vaccine to Effectively Stop Cardio Thoracic Events and Decompensated Heart Failure**
NIH/NHLBI 8/1/2016- 7/1/2021
Gaziano/ Joseph (PI) for VA consortium
Site Primary Investigator: Roumie (20%)
INVESTED is a randomized, double-blind, active-controlled, multi-site trial comparing high-dose (60 µg per vaccine viral strain) trivalent influenza vaccine to standard-dose (15 µg per viral strain) quadrivalent influenza vaccination for up to three influenza seasons in 9,300 high-risk cardiovascular disease patients with a history of myocardial infarction in the previous 12 months OR history of heart failure hospitalization in the previous 24 months.
3. **VUMC 1R01(Roumie)** 07/01/2017 – 06/30/2022
NIH / Tulane University Health Sciences Center
Dissemination and Implementation of the SPRINT Study Findings in Underserved Populations
The goals of this project are to Test a Hybrid Type 2 trial design to implement and evaluate SPRINT intensive blood pressure treatment goals in federally qualified healthcare settings.
4. **1K12HL137943-01 (Kripalani, Roumie)** 09/01/2017 – 08/31/2022
NHLBI
Vanderbilt Scholars in T4 Translational Research (V-STTaR) Program
The goals of this project are to train future heart lung blood and sleep research scientists in translational and implementation research methods and concepts.

5. **T32 HS026122-01 (Roumie, Grijalva)** 07/01/2018 -- 06/30/2023
 AHRQ
 The Learning Health System training program: PROGRESS- Patient pRactice Outcomes and Research in Effectiveness and Systems Science seeks to train 4 post-doctoral scholars each year in Learning Health Systems Science
6. **K12HS026395-01 (Roumie, Rothman)** 09/01/2018 – 08/31/2023
 AHRQ
 Learning Health System Scholar Program at Vanderbilt
 We propose to establish the **Vanderbilt Learning Health System Scholar Program** to cross-train future investigators in five core areas of strength: 1) Patient Centered Outcomes Research; 2) Implementation and Dissemination Science; 3) Health Policy/ Community Health 4) Stakeholder Engagement and 5) Bioinformatics and Research methods advancement.
7. **PREVENTABLE** 10/1/2019-- 9/30/2026
 (PRagmatic EValuation of evENTs And Benefits of Lipid-lowering in OldER Adults)
 NIA/NHLBI
 Role: Site PI (VA) and Site Co PI (VUMC)
 There is an urgent need for evidence to guide the clinical care of older adults due to demographic shifts including longer life expectancy and a doubling of the older adult population in recent decades. Unfortunately, clinical research has often excluded individuals over the age of 75 due to a higher prevalence of comorbidity and frailty. There is equipoise regarding the usefulness of statins for primary CVD prevention in adults over age 75, especially in the setting of multiple chronic conditions advanced age or frailty. The ability of statins to prevent new dementia or persisting disability is unknown. There may be subgroups of older adults without CVD or dementia who stand to benefit from statins and others who do not. Such a trial will advance evidence-based care – replacing current opinion-driven practice. Using a placebo-controlled pragmatic trial design across a network of health care systems, we will evaluate the effects and benefits of a moderate intensity statin on important health outcomes for older adults.

Grants (Completed)

1. **Effectiveness of hypoglycemic medications among veterans with CKD**
VA- CSRD IIR I01CX000570-05 10/1/16-9/30/2020
PI: Roumie (20%)
 Although metformin is first line treatment for patients with diabetes (DM), many patients with moderate chronic kidney disease (CKD) do not receive metformin due to concerns about the risk of lactic acidosis. Within the Veterans Health Administration (VHA) 30-40% of incident DM medications are sulfonylureas, rather than metformin, due in part to underlying CKD. Methodologically-strong comparative effectiveness observational studies are necessary to determine the relative benefits and risks of metformin versus sulfonylureas use among patients with CKD.
2. **Effectiveness of Second Line Hypoglycemic Medications Among Veterans**
VA- CSRD IIR I01 CX000570-01 (Merit) 10/1/2012 – 9/30/2016
PI: Roumie (20%)
 Which medication regimen should be used after failure of metformin monotherapy? We will perform a retrospective cohort study of new users of 2nd line therapy for treatment of diabetes to determine whether certain regimens confer an advantage on reaching goal HbA1c, along with the time to development of complications such as low blood sugar and weight gain. We will also examine if there are differences in the development of diabetes-related complications, including acute myocardial infarction, stroke, kidney disease, and cardiovascular death among patients.

3. R01 AG055606-01 (Reboussin/Williamson) 10/01/2017 – 3/30/2019
NIH/NIA
The SPRINT Alzheimer's, Seniors, and Kidney Study (SPRINT ASK) Alzheimer's disease is a leading cause of mortality affecting 5 million persons in the United States, a number expected to double by 2050. Proven strategies for prevention and delay of dementia are lacking. By obtaining one additional visit with the Systolic Blood Pressure Intervention Trial cohort, the proposed study would test whether the incidence of all-cause dementia, which will be predominantly Alzheimer's Dementia, is lower in participants whose elevated systolic blood pressure is treated to < 120 mm Hg.
4. Systolic Blood Pressure Intervention Trial (SPRINT)
NIH (NHLBI) 2010- 2018 SPRINT VA CCN
PI: William Cushman (Memphis VA) 9/1/2010 – 9/30/2018
Site Primary Investigator: Roumie (20%)
SPRINT plans to compare SBP goals of <120 vs <140 mm Hg in patients 55 years or older, participants will become eligible if they have SBP 130+ and known CVD or other risk factors. The primary composite endpoint will be CVD mortality and non-fatal MI, stroke, and heart failure.
5. PCORI CDRN phase 2 12/2017- 6/30/2019
PI: Russell Rothman, MD MPP
Project Lead: Roumie Diabetes Incidence and Medication use (5%)
The Southern United States has the highest rates of obesity, diabetes, cardiovascular disease, certain cancers, and other conditions, and significant rates of health disparities. The Mid-South Clinical Data Research Network (CDRN) is centered at Vanderbilt University (VU). This CDRN will encompass three large health systems: (1) the Vanderbilt Health System which currently includes electronic medical records for over 2 million patients, (2) the growing Vanderbilt Healthcare Affiliated Network (VHAN) which currently includes 32 hospitals, hundreds of ambulatory practices, and will cover over 3 million patients in the mid-South, and (3) a partnership with Greenway Medical Technologies and other national organizations to provide access to over 24 million patients across the country.
6. 1C1CMS330979-02-00 07/01/12 – 06/30/15
PI: Dittus
Co-Investigator (4%) 0.48 calendar months
Centers for Medicare & Medicaid Services
MyHealthTeam: Regional Team-Based and Closed-Loop Control Innovation Model for Ambulatory Chronic Care Delivery
This large initiative will use innovative, inter-professional health care teams and enhanced information technology to improve chronic disease management and reduce excess health care utilization.
7. **Treatment intensification in type 2 Diabetes Mellitus**
DEcIDE-2 HHSA290201000016I TO 0002
PI **DEcIDE-2:** Griffin 10/1/10 – 9/30/13
Director of Task Order: Christianne L. Roumie (30%)
Patients often have their DM therapies intensified to reach the recommended Hemoglobin A1C (HbA1C) target (<7%). However, few data indicate whether early intensification of treatment benefits patients with cardiovascular disease (CVD) and chronic kidney disease (CKD). We hypothesize that there is a differential effect of intensification among patients. Among patients with no CVD or CKD co-morbidities, early intensification will increase the time to CVD or CKD outcomes or death. Among patients with CVD and/or CKD co-morbidities intensification may have no benefit or even harm.
8. **Blood pressure management in the year after a stroke**

VA- RRP 11-267

4/30/12 – 6/30/13

PI: Cheng

Co-PI: Roumie (10%)

To measure treatment intensification and its impact on BP values one year after stroke among a cohort of veterans

9. INSPIRE Intervention for Stroke Improvement using Redesign Engineering

SDP 09-158

2/1/10 – 2/1/13

PI: Linda S. Williams M.D.

Site Primary Investigator: Christianne L. Roumie (3%)

To evaluate the effect of public reporting on organizational change to improve stroke care quality in VA by conducting a formative developmental evaluation in 14 VAMCs with the largest volume of acute ischemic stroke admissions to understand organizational barriers and facilitators in the delivery of high quality acute stroke care; and evaluating a System Redesign tailored intervention to improve the quality of stroke care at 7 of these VAMCs randomly assigned to the intervention compared to 7 VAMCs randomly assigned to quarterly receipt of quality performance feedback.

10. Re-INSPIRE : Rich-context Evaluation of INSPIRE

SDP #11-190

10/1/11 – 9/30/14

PI: Edward J. Miech, EdD

Site Primary Investigator: Christianne L. Roumie (3%)

To qualitatively evaluate the individual sites who participated in INSPIRE and conduct an evaluation of the intervention.

11. Brief Assessment of Health Literacy and Association with Cardiovascular Outcomes

NIH/NHLBI R21 HL096581

2/1/2010 – 9/30/2012

PI: Sunil Kripalani, M.D. (PI)

Investigator: Christianne L. Roumie (10%)

This proposal will establish the feasibility of incorporating brief health literacy questions into an electronic health record upon hospital admission for use as a research tool, perform a psychometric evaluation of the brief health literacy questions, and examine the independent association of the brief health literacy questions with important clinical outcomes including blood pressure control and heart failure readmissions

12. Risk of Cardiovascular Disease with Insulin and Oral Hypoglycemic Meds (VA HSR&D Career development Transition Award)

PI: Christianne L. Roumie (80%)

7/1/09 – 6/30/2011

Career development Transition award to provide another 2 years of salary support while conducting the research described in the VA Merit award.

13. HTN- IMPROVE Hypertension Telemedicine Nurse Implementation Project for Veterans

RRP 09-196

8/1/10 – 7/30/2011

PI: George Jackson

Site Primary Investigator: Christianne L. Roumie (5%)

To study the processes undertaken by three VA Medical Centers as each implements telephone self-management support for hypertensive patients, we will survey members of the primary care staff to examine organizational readiness for change/implement the intervention and the organization of the system for providing hypertension care as related to the Chronic Care Model.

14. AHRQ 27-EHC Addressing Knowledge Gaps in Type 2 Diabetes Therapeutics: Comparative Effectiveness and Safety of Oral Antidiabetic Drugs

9/30/08 – 9/30/2010

PI: Marie R. Griffin, M.D.

Investigator: Christianne L. Roumie (30%)

We will provide information on relative effectiveness and safety of specific oral hypoglycemic medications for initial treatment of diabetes. Outcomes include proximal outcomes of safety and effectiveness: such as weight change, hemoglobin A1C reduction, change in lipid profiles and hypoglycemic admissions. Distal outcomes include time to cardiovascular event and time to renal replacement therapy or the halving of GFR.

15. Pharmacist Intervention for Low Literacy in Cardiovascular Disease (PILL-CVD)

1R01HL089755-01

PI: Sunil Kripalani, M.D.

10/1/07 – 9/30/2010

Investigator- Christianne L. Roumie, M.D. (10%)

The objective of this research is to reduce the incidence of serious medication errors during the first 30 days after hospital discharge among patients hospitalized with acute coronary syndromes (ACS) or heart failure (HF) exacerbation. We will conduct a randomized controlled trial of a literacy-sensitive, pharmacist-based intervention in 862 patients discharged from the general medicine service at two academic medical centers: Vanderbilt University and Brigham and Women's Hospital.

**16. Implementation of Targeted Evidence Based Clinical Improvements
To Overcome Clinical Inertia**

VA HSR&D Career Development Award (90%)

RCD 04-342-2

PI- Christianne L. Roumie, M.D.

7/1/2006 – 6/30/2009

The objective of this research is implementation of quality improvement strategies and prevention of cardiovascular outcomes. She will facilitate collaboration with other cardiovascular and quality improvement researchers to translate findings into sustainable clinical interventions. The research plan is designed to develop a strong working relationship with colleagues in the implementation and quality improvement sciences.

17. VA HSRD Planning Grant for Improving Implementation of best practices

VISN / HSR Collaborative IMV 04-091-1

10/1/04 -- 9/30/05

PI- Theodore Speroff, PhD

Co- Investigator- Christianne L. Roumie, M.D.

18. VA R&D CRCoE Tennessee Valley VA Clinical Research Center of Excellence

PI- Marie R. Griffin M.D., M.P.H.

Investigator- Christianne L. Roumie, M.D. (90%)

10/1/04 – 6/30/2006

PUBLICATIONS AND PRESENTATIONS

Original research publications (peer reviewed) *Indicates Corresponding Author

2004

1. **Roumie CL***; Grogan EL; Falbe W; Awad J; Speroff T; Dittus RS; Elasy TA A three part intervention to change the use of hormone Replacement therapy in response to new evidence. *Annals Intern Med.* 2004 Jul 20;141(2):118-25.
2. **Roumie CL***; Griffin MR. Over the counter analgesics in older adults: A call for improved labeling and consumer education. *Drugs and Aging* 2004;21(8):485-98.
3. Grogan EL; Speroff TS; Deppen S; **Roumie CL**, Elasy TA, Dittus RS; Rosenbloom ST; Holzman M.D.. Improving documentation of patient acuity level using a progress note template. *Journal of the American College of Surgeons* 2004: Sept;199(3):468-75

2005

4. **Roumie CL***; Halasa NB; Edwards KM; Zhu Y; Dittus RS; Griffin MR; Differences in antibiotic prescribing among physicians, residents and non physician providers. *American Journal of Medicine* 2005: June; 118: 641-648
5. **Roumie CL***; Halasa NB; Grijalva CG; Edwards KM; Zhu Y; Dittus RS; Griffin MR Trends in antibiotic prescribing for adults in the United States, 1995-2002 *Journal General Internal Medicine* 2005; August 20 (8): 697-702.
6. **Roumie CL***; Arbogast P., Mitchel E.; Griffin MR.: Prescriptions for Chronic High-Dose Cyclooxygenase-2 Inhibitors are Often Inappropriate and Potentially Dangerous *J Gen Intern Med* October 2005; 20(10): 879-83

2006

7. **Roumie CL***; T.A. Elasy; R. Greevy; Griffin MR; Liu X; Stone WJ; Wallston K.A.; Dittus R.S.; Alvarez V.; Cobb J.; Speroff T.. Improving Blood Pressure Control in Veterans through Provider Education, Provider Alerts, and Patient Education: A Cluster Randomized Trial *Annals of Internal Medicine* 2006 August 1; 145(3) 165-176

2007

8. **Roumie CL***; Elasy TA; Wallston K; Pratt S; Greevy R A; Liu, X; Alvarez V; Dittus RS; Speroff T. Clinical Inertia: A common barrier to changing provider prescribing behavior *Joint Commission Journal on Quality and Patient Safety* 2007 May;33(5):277-85.
9. Huizinga MM, **Roumie CL**, Elasy TA, Murff H, Pini TM, Greevy R, Liu X, Speroff T, Dittus RS, Griffin MR. Changes in Incident Diabetes Prescriptions from 2000 to 2005, (*Diabetes Care* 30:e85 2007)

2008

10. **Roumie CL***; Mitchel E.; Gideon PS; Varas-Lorenzo C.; Castellsague J.; Griffin MR. Validation of administrative health data to identify incident strokes *Pharmacoepidemiology and Drug Safety* 2008 Jan 17 (1)pages 20-26
11. **Roumie CL***; Mitchel E.; Kaltenbach L; Arbogast PG; Gideon PS; Griffin MR. Non Aspirin NSAIDs, Cyclo-Oxygenase 2 Inhibitors and the Risk for Stroke *Stroke* July 2008;39:2037
12. Huang RL, Donelli A; Byrd J; Mickiewicz MA.; Slovis C; **Roumie CL** ; Elasy TA, Dittus RS, Speroff T, Disalvo T, Zhao D. Using Quality Improvement Methods to Improve Door-to-Balloon Time at an Academic Medical Center *J Invasive Cardiol.* 2008;20:46-52.
13. Schuberth JL; Elasy TA; Butler J.; Greevy R.; Speroff T.; Dittus RS; **Roumie CL*** Changes in Residency Work Hours: The Impact of the Short Call Team on Length of Stay and Quality of Care for Decompensated Heart Failure *Circulation* May 20 2008 117: 2567-2569
Accompanied by an Editorial

2009

14. Pini TM; Griffin MR; **Roumie CL** Huizinga MM, Fowke JH, Greevy R, Liu X, Murff HJ. The effect of thiazolidinediones on prostate specific antigen levels in men with diabetes *Cancer Epidemiology Biomarkers & Prevention* 18, 1937, June 1, 2009
15. **Roumie CL***; Choma NN; Kaltenbach L, Mitchel EF, Arbogast PG, Griffin MR Non Aspirin NSAIDs, Cyclo-Oxygenase 2 Inhibitors and the Risk for cardiovascular events—stroke, acute myocardial infarction, and sudden cardiac death *Pharmacoepidemiology and Drug Safety* 2009 Volume 18 Issue 11, Pages 1053 - 1063
16. Munson GW, Wallston KA, Dittus RS, Speroff T, **Roumie CL*** Activation and adaptability: Correlations with healthcare outcomes among veterans with inflammatory bowel disease (IBD) *Journal of General Internal Medicine* Volume 24, Number 7 / July, 2009
17. Choma NN; Huang RL; Dittus RS; Burnham KE; **Roumie CL*** Quality Improvement Initiatives Improves Hypertension Care *Circulation Cardiovascular Quality and Outcomes* vol 2: 392-398, 2009, doi: 10.1161/CIRCOUTCOMES.109.862714
This article was accompanied by an American Heart Association Press release with significant publicity— The news article was subsequently featured by MSN news, Web M.D. and other online news features. There were more than 1.6 million “hits” to the online MSN news article. This article was also accompanied by an editorial.
18. Choma NN; Griffin MR; Huang RL; Mitchel EF; Kaltenbach L; Gideon P; Dyer S; **Roumie CL*** An algorithm to identify incident myocardial infarction using Medicaid data *Pharmacoepidemiology and Drug Safety* 2009 Volume 18 Issue 11, Pages 1064 - 1071

2010

19. Schnipper JL; **Roumie CL**; Cawthon C.; Businger A; Dalal AK; Mugalla I; Eden S; Jacobson, TA; Rask KJ; Vaccarino V; Gandhi TK; Bates DW; Johnson DC; Labonville S; Gregory D; Kripalani S. The Rationale and Design of the Pharmacist Intervention for Low Literacy in Cardiovascular Disease (PILL-CVD) Study *Circulation Cardiovascular Quality and Outcomes* 2010;3:212-219
20. Bosworth HB; Almirall D; Weiner BJ; Maciejewski M; Kaufman MA; Powers BJ; Oddone, EZ; Lee, SD; Damush, TM; Smith, V; Olsen, MK; Anderson D; **Roumie CL**; Rakley S; Bowen, ME; Kravitz JD; Jackson GL. The Implementation of a Translational Study Involving a Primary Care Based Behavioral Program to Improve Blood Pressure Control: The HTN-IMPROVE Study Protocol (01295) *Implementation Science* 2010, 5:54 doi: 10.1186/1748-5908-5-54
21. Salanitro,AH; **Roumie, CL** Blood Pressure Management in Patients With Diabetes *Clinical Diabetes* July 22, 2010 vol. 28 no. 3 107-114 doi: 10.2337/diaclin.28.3.107

2011

22. **Roumie CL***, Huizinga MM; Liu, X; Greevy RA; Grijalva CG; Murff HJ; Hung AM; Griffin MR.; The effect of incident diabetes regimens on lipid profiles in veterans with Type 2 Diabetes *Pharmacoepidemiology and Drug Safety* January 2011 DOI: 10.1002/pds.2029
23. Huizinga MM, **Roumie CL***, Greevy RA, Liu X, Murff HJ, Griffin MR. Comparative Effectiveness of Hemoglobin A1C and Weight Change Associated with Incident Diabetes Regimens *Pharmacoepidemiology and Drug Safety* published online: 26 SEP 2010 DOI: 10.1002/pds.2035
24. **Roumie CL***; Greevy RA; Wallston KA; Elasy TA; Kaltenbach L; Kotter K; Dittus RS; Speroff, T. Self reported patient centered care predicts medication adherence among veterans with hypertension *Journal of Behavioral Medicine* 2011, 34(4):244-53 DOI: 10.1007/s10865-010-9304-6
25. Ikard RW; Vavra D; Richman JC; Forbes RC; **Roumie CL** Management of Senescent Gynecomastia in the Veterans Health Administration *The Breast Journal* 2011: April volume 17 (2) published online 15 MAR 2011 | DOI: 10.1111/j.1524-4741.2010.01050.x
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Roumie CL* Lactic acidosis hospitalization among Patients with Reduced Kidney Function treated
with Metformin or Sulfonylurea (In Press- *Diabetes Care*)
110. Horstman MJ; Miltner RS; Wallhagen M; Patrician PA; Oliver BJ; **Roumie CL**; Dolansky MA; Perez
F; Naik AD; Godwin KM Developing Leaders and Scholars in Healthcare Improvement: The VA
Quality Scholars Program Competencies In Press *Academic Medicine*
111. Edwards G; Broman KK; Smalley WE; Dittus RS; Smith LA; **Roumie CL** Virtual Colorectal Cancer
Surveillance: Bringing Scope Rates to Target In Press- *Journal of the American College of Surgeons*
112. Poon S, **Roumie CL**, O'Shea C, Fabbri D, Coco J, Collins S, Levy P, McNaughton C Association of
Elevated Blood Pressure in the Emergency Department With Chronically Elevated Blood Pressure In
Press- *Journal of the American Heart Association*
113. Lewis JA; Samuels LR; Denton J; Matheny ME; Maiga A; Slatore CG; Grogan E; Kim J.; Sherrier
RH; Dittus RS; Massion PP; Keohane L; Nikpay S; **Roumie CL** National Lung Cancer Screening
Utilization Trends in the Veterans Health Administration -*Journal of National Cancer Institute*
Spectrum <https://doi.org/10.1093/jncics/pkaa053>
114. Bachmann, KN; **Roumie CL**; Wiese AD; Grijalva CG; Buse JB; Bradford R; Zalimeni EO; Knoepp
P.; Morris HL; Donahoo WT; Fanous N; Fonseca V; Katalenich B; Choi S.; Louzao D; Obrian E;
Cook MM; Rothman RL; Chakkalakal RJ Diabetes Medication Regimens and Patient Clinical
Characteristics in PCORnet, the National Patient-Centered Clinical Research Network Pharmacology
Research & Perspectives. 02 September 2020 <https://doi.org/10.1002/prp2.637>
115. Edwards, GC; Martin, RL; Samuels, LR; Wyman K; Bailey, CE; Kiernan, CM; Snyder, RA; Dittus,
RS; **Roumie, CL** Association of Adherence to Quality Metrics with Recurrence or Mortality among
Veterans with Colorectal Cancer- In Press *Journal of Gastrointestinal Surgery*
116. Jovanovich A, Ginsberg C, You Z, Katz R, Shlipak M, Ambrosius W, Berlowitz D, Chung A, Cho
M, Lee A, Pancholi S, Punzi H, Rehman S, **Roumie CL**, Supiano M, Wright C, Chonchol M, Ix J
FGF23, Falls, and Frailty in SPRINT- In Press *JAGS* <http://dx.doi.org/10.1111/jgs.16895>
117. Lewis, JA; Spalluto, LB; Henschke, CI; Yankelevitz, DF; Aguayo, SM; Morales, P; Avila, R; Audet,
CM; Prusaczyk, B; Lindsell, CJ; Callaway-Lane C; Dittus, RS; Vogus, TJ; Massion, PP; Limper,
HM; Kripalani, S; Moghanaki, D; **Roumie, CL** Protocol to Evaluate the Implementation of an
Enterprise-Wide Initiative to Increase Access to Lung Cancer Screening in the Veterans Health
Administration In Press- *Clinical Radiology*
118. Lewis J; Senft N; Chen H; Weaver KE; Spalluto LB; Sandler KL; Horn K; Massion PP; Dittus RS;
Roumie CL; Tindle HA Evidence-Based Smoking Cessation Practices: A Comparison by Healthcare
System In Press *BMC Health Services Research*

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119. Spalluto LB, Lewis JA, Stollendorf D, Yeh VM, Callaway-Lane C, Wiener RS, Slatore CG, Yankelevitz DF, Henschke CI, Vogus TJ, Massion PP, Moghanaki D, **Roumie CL**. Organizational Readiness for Lung Cancer Screening: A cross-sectional evaluation at a Veterans Affairs Medical Center. *J Am Coll Radiol*. In press
120. Kostelanetz S.; Di Gravio C; Schildcrout JS; **Roumie CL**; Conway D.; Kripalani S Should We Implement Geographic or Patient-Reported Social Determinants of Health Measures In Cardiovascular Patients? Ethnicity and Disease *Special Themed Issue, Social Determinants of Health and Implementation Research: Three Decades of Progress and a Need for Convergence*. Vol 31 (1) Winter 2021
121. Bloos SM, Kaur K,* Lang K, Gavin N, Mills AM, Baugh CW, Patterson BW, Podolsky SR, Salazar G, Mumma BE, Tanski M, Hadley K, **Roumie CL**, McNaughton CD, Yiadom MYAB. Comparing the Timeliness of Treatment in Younger Versus Older Patients with ST-Segment Elevation Myocardial Infarction: A Multi-Center Cohort Study. *J of Emerg Med*. Accepted Jan 24, 2021.
122. Apple R, Marincola Smith P, Craft P, **Roumie CL**, Terhune K. Assessing utilization, benefits, and shortfalls of lactation resources for healthcare workers. In Press *Clinical Lactation*
123. Richardson, TL; Hackstadt AJ; Hung AM; Greevy RA; Grijalva CG; **Roumie CL*** Heart Failure events among Patients with Reduced Renal Function treated with Metformin or Sulfonylurea: a cohort study In Press *Journal of the American Heart Association*)
124. Stollendorf, D.P., Ridner, S.H., Vogus, T.J., **Roumie, C.L.**, Schnipper, J., Dietrich, M.S., Schlundt, D.G., Kripalani, S. Implementation Strategies in the Context of Medication Reconciliation: A Qualitative Study. In Press *Implementation Science Communications*.
125. Akwo EA, Robinson-Cohen C, Chung CP, Shah SC, Brown NJ, Ikizler TA, Wilson OD, Rowan B, Shuey MM, Siew ED, Luther JM, Giri A, Hellwege J, Velez Edwards DR, **Roumie CL**, Tao R, Tsao PS, Gaziano JM, Wilson PWF, O'Donnell C, Edwards TL, Kovesdy CP, Hung AM Association of apparent treatment-resistant hypertension with differential risk of end-stage kidney disease across racial groups independent of APOL1 genotype in the Million Veteran Program In Press- Hypertension

Other Peer Reviewed Publications

126. **Roumie, CL***; Natasha Halasa; Kathryn Edwards; et.al.; Differences in antibiotic prescribing among physicians, residents and non physician providers, In reply: (Letter) *American Journal of Medicine* 2006: May; 119, 23-24
127. **Roumie CL***; Schuberth, JL; TA Elasy; J. Butler; R. Greevy; T. Speroff; R.S. Dittus. (Letter)- Response to Kessler regarding Quality of Care and Short call admissions. *Circulation* 2009 119: p. e7-e7
128. **Roumie, CL***; Rothman RL: Commentary for BMJ's *Evidenced Based Medicine* (Commentary) March 2010
129. **Roumie, CL*** The doughnut hole: it's about medication adherence (Invited Editorial) *Annals of Internal Medicine* 5 June 2012; 156(11):834-835

130. Hung, AM; **Roumie, CL** In the Literature: Blood Pressure: How low is safe in kidney disease?
American Journal of Kidney Disease (Commentary)-2014
131. **Roumie CL***; Greevy RA; Griffin MR Re- Comparative Effectiveness Research of Diabetes treatment
(Letter) *JAMA* October 22/29, 2014, Vol 312, No. 16
132. **Roumie CL*** Greevy RA; Griffin MR In Reply Association between intensification of metformin
treatment with insulin vs sulfonylureas and cardiovascular events and all-cause mortality among
patients with diabetes (Letter) *JAMA* October 22/29, 2014, Vol 312, No. 16
133. McGowan LD **Roumie CL*** Sulphonylureas as second line treatment for type 2 diabetes
New evidence helps individualise treatment decisions and minimise harm (Invited Editorial) *BMJ* July
25, 2018

PRESENTATIONS

International

1. **Roumie, CL**
Non Aspirin NSAIDs, Cyclo-Oxygenase 2 Inhibitors and the Risk for Stroke
Hamolsky Junior Faculty Award Finalist
Society of General Internal Medicine Annual Meeting, Toronto Canada April 26, 2007
2. **Roumie, CL**
Comparative effectiveness of oral antidiabetic medications
Invited Platform presentation Pharmacoepidemiology symposium
Queen's University Belfast, Northern Ireland October 23-27, 2011
3. **Roumie, CL**
Comparative Effectiveness of Insulin versus Combination Insulin and Sulfonylurea on
Cardiovascular Outcomes
Invited oral presentation International Society of Pharmacoepidemiology
"Sweet Spot in Comparative Effectiveness Research"
Montreal Canada August 27, 2013
4. **Roumie, CL**
Invited Seminar series – Center of Excellence in Public Health Seminar Series
Queens University Belfast
"Patient Outcomes associated with Metformin Intensification"
Queen's University Belfast, Northern Ireland October 27, 2015
5. **Roumie, CL**
Discontinuation of oral diabetes regimens among patients with reduced renal function
International Conference on Pharmacoepidemiology
Montreal Canada (Poster discussion) August 27, 2017

National

6. Roumie CL
Cholesterol Screening and Management among different age groups.
Society for Correctional Physicians Annual Meeting
Nashville, TN
October 20, 2002

7. Roumie CL
Responding to new knowledge: The case of hormone replacement therapy
Quality Scholar Summer Institute V Research Forum, Fairlee, VT
August 5, 2003

8. Roumie, CL
Antibiotic Prescribing has decreased; but Provider differences remain
Oral Presentation at Society of General Internal Medicine National Meeting
Chicago, IL
May, 2004

9. Roumie, CL
Patient Involvement Improves Blood Pressure control in Veterans: A randomized controlled trial
Society General Internal Medicine National Meeting
Hamolsky Junior Faculty Award Finalist **Plenary Presentation**
New Orleans, L.A.
May 13, 2005

10. Roumie, CL
Starting (and Finishing) a Fellow's Project in Quality Improvement
Quality Scholar Summer Institute Research Forum, Fairlee VT
(Invited Presentation)
August 3, 2005

11. Roumie, CL QI in action: Hypertension performance at TVHS
Quality Scholar Summer Institute Research Forum, Fairlee VT
(Invited Presentation)
July 31, 2007

12. Roumie, CL
Update on NSAIDs and COX 2 Inhibitors
Tennessee College of Occupational and Environmental Medicine
Annual Meeting, Cool Springs TN
(Invited Presentation)
March 8, 2008

13. Roumie, CL
Improving quality of hypertension care among veterans
VA- Health Services Research and Development Career Development Conference
Annual Meeting Baltimore M.D.
Invited Plenary Presentation
February 11, 2009

14. Roumie, CL
Comparative effectiveness of first line oral antidiabetic medications
Research Work in Progress
Roudebush VA Health Services Research and Development Center

- Indianapolis, Indiana
(Invited presentation) September 9, 2011
15. Roumie, CL
Comparative effectiveness of first line oral antidiabetic medications
Diabetes Multi-Center Research Consortium
Stakeholders' Meeting Agency for Healthcare Research and Quality
Rockville Maryland (Invited presentation) October 18, 2011
 16. Roumie, CL
Workshop: Applying For a VA Research Career Development Award
Society of General Internal Medicine Annual Meeting, Orlando Florida May 12, 2012
 17. Roumie, CL
Comparative effectiveness of oral antidiabetic medications
Vanderbilt University, Department of Medicine Grand Rounds August 30, 2012
 18. Roumie, CL
Comparative effectiveness of oral antidiabetic medications
Faculty Presentation Diabetes Day, Vanderbilt University November 14, 2012
 19. Roumie, CL
Comparative effectiveness of antidiabetic medications
Vanderbilt University, Division of Cardiology Grand Rounds
(Invited presentation) December 19, 2012
 20. Roumie, CL
Cardiovascular outcomes associated with choice of agent for diabetes treatment intensification
American Diabetes Association
Poster Walking Tour in Cardiovascular Epidemiology June, 2013
 21. Roumie, CL
Cardiovascular research portfolio: Clinical trial to implementation science
GRECC Research Advisory Council September, 2013
 22. Roumie, CL
Patient Outcomes associated with Metformin Intensification
Vanderbilt University, Division of Endocrinology Grand Rounds
(Invited presentation) October 4, 2014
 23. Roumie, CL and Murff HJ
Methods in Pharmacoepidemiology
Cancer Research Symposium
Vanderbilt University Division of Epidemiology October 13, 2015

24. Roumie, CL
Clinical Outcomes with treatment intensification after Metformin for diabetes
Center for Diabetes Translation and Research
January 15, 2016
25. Roumie, CL
Comparative safety of sulfonylurea and metformin monotherapy on heart failure
American Diabetes Association Scientific Sessions
New Orleans, LA (Podium Poster discussion)
June 11, 2016
26. Roumie, CL
Clinical Outcomes with treatment intensification after Metformin for Diabetes
Medical Scientist Training Program
June 7, 2017
27. Roumie, CL
Clinical Outcomes with Metformin use in Chronic Kidney Disease
Medical Scientist Training Program
July 5, 2018
28. Roumie, CL
Clinical Outcomes with Metformin use in Chronic Kidney Disease
National Geriatrics Research and Education Webinar
December 6 and 7, 2018
29. Roumie, CL
Panel on Improving the Future of Medicine --Implementation Science
National Defense Industrial Association and Johns Hopkins Applied Research Laboratory
National Healthcare Symposium
March 6, 2019
30. Roumie, CL
Clinical Outcomes with Metformin use in Chronic Kidney Disease
Oral Abstract Presentation
American Diabetes Association
June 9, 2019
31. Roumie, CL
Care of diabetes in the complex older patient
General Internal Medicine and Public Health Grand Rounds
September 11, 2019
32. Roumie, CL
Clinical Outcomes with of Metformin use in Kidney Disease
Center for Diabetes Translation and Research
September 20, 2019
33. Roumie, CL
Care of diabetes in the complex older patient
Diabetes Improvement Team- Meharry Vanderbilt Alliance
Meharry Medical Center
February 11, 2020
34. Roumie, CL

Diabetes medication policy and treatment regimens for complex patients
Special Seminar in Health Policy
Vanderbilt University Medical Center

May 8, 2020

35. Robert Pack, PhD, MPH; Wendy Likes, PhD, DNSc; **Christianne Roumie, MD MPH**; Lisa McGee, Med, EdD
Social Determinants of Health (SDOH) Webinar
Tennessee Department of Health

December 1, 2020

Local

36. Roumie CL
Aspirin for the primary Prevention of Cardiovascular Disease
Vanderbilt Internal Medicine Resident Teaching Conference
- May, 2002
37. Roumie CL
International Medicine- Helpful Hints
Vanderbilt University Medical Students Brown Bag Series
- September, 2002
38. Roumie CL
Cholesterol Screening and Management among different age groups.
Vanderbilt Internal Medicine Resident Teaching Conference
- January, 2003
39. Roumie CL
Where the Zebras are common: Experiences in East Africa
Vanderbilt Pediatrics Ambulatory Conference
- February 27, 2003
40. Roumie CL
Where the Zebras are common: Experiences in East Africa
Vanderbilt Internal Medicine Ambulatory Conference
- February 27, 2003
41. Roumie CL
Where the Zebras are common: Experiences in East Africa
Vanderbilt Infectious Diseases Fellows Conference
- June 2, 2003
42. Roumie, CL
Antibiotic Prescribing has decreased; but Provider differences remain
Oral Presentation M.P.H. Seminar Series, Vanderbilt University
- March, 2004
43. Roumie, CL
TWISTER Tennessee Women in Science, Technology, Engineering and Research Conference
The Profession of Medicine
Nashville, T.N.
- February 7, 2007
44. Roumie, CL
TWISTER Tennessee Women in Science, Technology, Engineering and Research Conference
The Profession of Medicine

- Nashville, T.N. February 7, 2010
45. Roumie, CL
Comparative effectiveness of first line oral antidiabetic medications
Vanderbilt Department of Medicine Research Council
Nashville, TN March 4, 2011
 46. Roumie, CL
Management of Hypertension
Resident Outpatient Internal Medicine Curriculum
Nashville, T.N. October 12, 2011
 47. Roumie, CL
Comparative effectiveness of first line oral antidiabetic medications
Division of General Internal Medicine and Public Health
Nashville, T.N. January 4, 2012
 48. Roumie, CL
Comparative effectiveness of first line oral antidiabetic medications
Section of Internal Medicine and Pediatrics Research Conference
Nashville, T.N. January 12, 2012
 49. Roumie, CL
Management of Hypertension
Resident Outpatient Internal Medicine Curriculum February 14, 2012
 50. Roumie, CL
TWISTER Tennessee Women in Science, Technology, Engineering and Research Conference
From Africa to Nashville: The Profession of Medicine
Nashville, T.N. February 9, 2013
 51. Roumie, CL
Hypertension Management and Results of the SPRINT study
Division of General Internal Medicine and Public Health
Nashville, T.N. November 18, 2015
 52. Roumie, CL; Halasa N; Parekh, A
Diversifying your Research Portfolio
Newman Society Lecture seminar September 22, 2016