

## **Robert J. Romanelli**

RAND Europe – Health & Wellbeing

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### **Education**

- 1996 – 2000 St. John's University, BS, Biology
- 2000 – 2006 Pennsylvania State University, PhD, Biomedical Sciences
- 2012 – 2013 Johns Hopkins University School of Public Health, MPH, Epidemiology

### **Postgraduate Training**

- 2006 – 2008 Oregon Health & Sciences University, Postdoctoral Fellow
- 2011 University of California San Diego, Certificate in Biostatistics

### **Current Position**

- 2021 – Research Leader – Health & Wellbeing  
RAND Europe, Cambridge UK

### **Prior Professional Experience**

- 2008 – 2010 Associate Medical Director  
ApotheCom, Scientific Services, San Francisco CA
- 2010 – 2013 Clinical Services Researcher  
Sutter Health, Clinical Integration Department, Sacramento CA
- 2014 – 2018 Assistant Scientist  
Sutter Health, Palo Alto Medical Foundation Research Institute, Palo Alto CA
- 2018 – 2019 Associate Scientist  
Sutter Health, Palo Alto Medical Foundation Research Institute, Palo Alto CA
- 2019 – 2021 Scientist and Director Research Data & Analytics  
Sutter Health, Centre for Health Systems Research, Walnut Creek CA

### **Adjunct Appointments**

- 2012 – 2020 Assistant Clinical Professor  
University of California San Francisco, Department of Clinical Pharmacy

### **Selected Projects**

- 2019 – 2021 Postoperative opioid prescribing at hospital discharge (RAND Corp, National Institutes of Health, USA)

- 2018 – 2021 Evaluation of the effectiveness and implementation of a lifestyle change program for diabetes prevention in a healthcare delivery system (National Institutes of Health, USA)
- 2017 – 2019 Effects of generic drug substitution (Johns Hopkins School of Medicine, Food & Drug Administration, USA)

### Teaching & Academic Mentorship Activities

- 2014 – 2018 Preceptor, Advanced Pharmacy Practice of Experience in Research Pharmacy Doctoral Program, University of California San Francisco
- 2017 Course Director/Lecturer, Biostatistics\ College of Arts & Sciences, Santa Clara University
- 2018 – 2021 Lecturer, Epidemiology & Statistics Pharmacy Doctoral Program, University of California San Francisco

### Invited Talks, Panels, and Lectures (listed from most recent)

1. Health System Response to COVID-19. Academy Health/ Health Care Systems Research Network Community of Practice. Guest Panelist. Webinar: 10 April 2020
2. The Epidemiology of Opioid Use, Misuse, and Abuse: A Modern Epidemic. Guest Lecture for Fundamentals of Epidemiology and Social Justice (PHE 130). Mill's College. Oakland, CA: 20 March 2019
3. Health System Based Outcomes Research: Using the EHR to Generate Novel, Real-World Evidence. Northeastern University, School of Pharmacy. Boston, MA; 14 February 2018
4. Data Sources in Pharmacoepidemiology Research. Guest Lecture for An Introduction to Pharmacoepidemiology (EPI 262). University of California San Francisco School of Pharmacy. San Francisco, CA; 26 January 2018
5. An Evaluation of Generic Prescribing with Electronic Health Records Data. United States Food and Drug Administration, Silver Springs, MD; 7 October 2016
6. Characterizing Generic Utilization and Substitution with Electronic Health Records Data. Johns Hopkins University Bloomberg School of Public Health, Baltimore, MD; 12 January 2016
7. Identifying Barriers to Generic Drug Utilization. Research Forum, Palo Alto Medical Foundation Research Institute, Palo Alto, CA; 27 January 2016
8. Compliance with Statin Therapy after Switching from Brand-Name to Generic Agents. Center for Drug Safety and Effectiveness Seminar Series, Johns Hopkins University Bloomberg School of Public Health; 9 December 2013
9. The Impact of Switching from Brand-Name to Generic Statins. Research Consultation Workshop, Palo Alto Medical Foundation Research Institute, Palo Alto CA; 4 November 2013

### Publications (listed from most recent; \*denotes senior author)

1. **Romanelli RJ**, Azar KMJ, Sudat S, Hung D, Frosch D, Pressman AR. The Learning Health System in Crisis: Lessons from the Novel Coronavirus Disease Pandemic. Mayo Clinic Proceedings: Innovations, Quality & Outcomes. 2021;5(1):171-176.
2. **Romanelli RJ**, Huang HC, Sudat S, Pressman AR, Azar KJM. Effectiveness of a Group-Based Lifestyle Change Program versus Usual Care: An Electronic Health Records, Propensity-Score Matched Cohort Study. American Journal of Preventive Medicine. 2020; 59(6):850-859.

3. Lu M, Bowlus CL, Lindor K, Rodriguez-Watson CV, **Romanelli RJ**, Haller IV, Andersono H, VanWormer JJ, Boscarino JA, Schmidt MA, Daida YG, Sahota A, Vincent J, Li J, Trudeau S, Rupp LB, Gordon SC. Validity of an Automated Algorithm to Identify Cirrhosis Using Electronic Health Records in Patients with Primary Biliary Cholangitis. *Clinical Epidemiology*. 2020; 12: 1261-1267.
4. Majithia AR, Kusiak CM, Armento Lee A, Colangelo FR, **Romanelli RJ**, Robertson S, Miller DP, Erani DM, Layne JE, Dixon RF, Zizzer H. Glycemic Outcomes in Adults with Type 2 Diabetes Participating in a Continuous Glucose Monitor-Driven Virtual Diabetes Clinical: Prospective Trial. *Journal of Medical Internet Research*. 2020; 22(8): e21778
5. Azar KMJ, Shen Z, **Romanelli RJ**, Robinson S, Brown S, Smits K, Lockhart SH, Pressman AR. Disparities in Outcomes among COVID-19 Patients in a Large Health Care System in California. *Health Affairs*. 2020;39(7):1253-1262.
6. **Romanelli RJ**, Ito MK, Karalis DG, Huang HC, Iorga SR, Kam IW, Thompson S, Azar KMJ. Statin utilization and low-density lipoprotein cholesterol in statin-treated patients with atherosclerotic cardiovascular disease: Trends from a community-based healthcare delivery system, 2002-2016. *Journal of Clinical Lipidology* 2020;13(3):305-314.
7. **Romanelli RJ**, Huang Q, Lacy J, Hashemi L, Wong A, Smith A. Multiple Sclerosis in a Multi-Ethnic Population from Northern California. A Retrospective Analysis, 2010-2016. *BMC Neurology*. 2020;20(1):163.
8. Halley MC, Petersen J, Nasrallah C, Szwedinski N, **Romanelli R**, Azar KMJ. Barriers and Facilitators to Real-world Implementation of the Diabetes Prevention Program in Large Healthcare Systems: Lifestyle Coach Perspectives. *Journal of General Internal Medicine*. 2020;35(6):1684-1692.
9. Segal JB, Onasanya O, Daubresse M, Lee CY, Moechtar M, Pu X, Dutcher SK, **Romanelli RJ**. Determinants of Generic Drug Substitution in the United States. *Ther Innov Regul Sci*. 2020; 54(1):151-157.
10. Gordon SC, Wu KH, Lindor K, Bowlus CL, Rodriguez CV, Anderson H, Boscarino JA, Trudeau S, Rupp LB, Haller IV, **Romanelli RJ**, VanWormer JJ, Schmidt MA, Daida YG, Sahota A, Vincent J, Zhang T, Li J, and Lu M, for the FOLD Investigators. Ursodeoxycholic Acid Treatment Preferentially Improves Overall Survival among African Americans with Primary Biliary Cholangitis. *American Journal of Gastroenterology*. 2020; 115(2):262-270.
11. Chung S, Huang Q, LaMori L, Doshi L, **Romanelli RJ**. Patient-Reported Experiences in Discussing Prescribed Medications with a Health Care Provider: Evidence for Racial/Ethnic Disparities in a Large Health Care Delivery System. *Population Health Management*. 2020; 23(1): 78-84.
12. **Romanelli RJ**, Sudat S, Huang Q, Ma J, Venditti EM, Greenwood DA, Pressman AR, Azar KMJ. Short-Term Weight Loss Trajectories and Long-Term Weight Outcomes from a Lifestyle Intervention in Real-World Clinical Practice. *Translational Behavioral Medicine*. 2019; pii: ibz118. [Epub ahead of print]
13. **Romanelli RJ**, Sudat S, Huang Q, Pressman AR, Azar KMJ. Early weight loss and treatment response: Data from a lifestyle change program in clinical practice. *American Journal of Preventive Medicine*. 2019; 58(3):427-435.
14. Azar KMJ, Nasrallah C, Szwedinski NK, Petersen JJ, Halley MC, **Romanelli RJ\***. Implementation of a Group-Based Diabetes Prevention Program within a Healthcare Delivery System. *BMC Health Services Research*. 2019;19(1):694.
15. **Romanelli RJ**, Huang HC, Chopra V, Ma J, Venditti EM, Sudat S, Greenwood DA, Pressman AR, Azar KMJ. Longitudinal Weight Outcomes from a Behavioral Lifestyle Intervention in Clinical Practice. *Diabetes Educator*. 2019;45(5):529-543.
16. Marcum ZA, Huang HC, **Romanelli RJ\***. Statin Dosing Instructions, Medication Adherence, and Low-Density Lipoprotein Cholesterol: A Cohort Study of Incident Statin Users. *Journal of General Internal Medicine*. 2019; 34(11):2559-2566.
17. **Romanelli RJ**, Shen Z, Szwedinski, Scott A, Lockhart S, Pressman, AR. Racial-Ethnic Disparities in Opioid Prescribing for Long-Bone Fractures at Emergency Department Discharge: A Cross-Sectional Analysis of 22 Centers from a Healthcare Delivery System. *American Journal of Emergency Medicine*. 2019;74(5):622-631.
18. Chung S, **Romanelli RJ**, Stults CD, Luft HS. Preventive Visit Among Older Adults with Medicare's Introduction of Annual Wellness Visit: Closing Gaps in Underutilization. *Preventive Medicine*. 2018;115:110-118.

19. **Romanelli RJ**, Huang Q, LaMori J, Doshi D, Chung S. Patients' Medication-Related Experience of Care is Associated with Adherence to Cardiometabolic Disease Therapy in Real-World Clinical Practice. *Population Health Management*. 2018; 21(5):409-414.
20. Lu M, Haller IV, **Romanelli RJ**, VanWormer JJ, Rodriguez CV, Anderson H, Boscarino JA, Schmidt MA, Daida YG, Sahota A, Vincent J, Bowlus CL, Lindor K, Zhang T, Trudeau S, Li J, Rupp LB, Gordon SC; FOLD Investigators. Increased Prevalence of Primary Biliary Cholangitis and Reduced Mortality with Treatment. *Clinical Gastroenterology and Hepatology*. 2018; 16(8):1342-1350.
21. Lu M, Haller IV, **Romanelli RJ**, Li J, Rupp LB, Boscarino JA, Raebel MA, Schmidt MA, Daida YG, Rodriguez CV, Sahota A, VanWormer JJ, , Vincent J, Bowlus CL, Lindor K, Gordon SC for the FOLD Investigators. Primary Biliary Cholangitis in the US: Factors Impacting Prevalence and Treatment. *Clinical Gastroenterology and Hepatology*. 2018; 16(8):1333-1342.e6
22. **Romanelli RJ**, Ikeda L, Lynch B, Craig T, Cappelleri JC, Jukes T, Ishisaka DY. Opioid Prescribing for Chronic Pain in a Community-Based Healthcare System. *American Journal of Managed Care*. 2017;23(5):e138-e145.
23. **Romanelli RJ**, Dolginsky M, Byakina Y, Bronstein D, Wilson S. A Shared Medical Appointment on the Benefits and Risks of Opioids in Chronic Pain Management: A Pre-Post Evaluation of a Pilot Program in a Community-Based Ambulatory Setting. *Journal of Patient Experience*. 2017; 4(3):144-151.
24. **Romanelli RJ**, Nimbal V, Dutcher SK, Pu X, Segal JB. Provider and Patient Determinants of Generic Levothyroxine Prescribing: An Electronic Health Records-Based Study. *Annals of Pharmacotherapy*. 2017;51(8):640-648.
25. **Romanelli RJ**, Shah SN, Ikeda L, Lynch B, Craig T, Cappelleri JC, Ishisaka D. Characteristics and Healthcare Utilization of a Chronic Pain Population within an Integrated Healthcare Delivery System. *American Journal of Managed Care*. 2017; 23(2):e50-e56.
26. Block G, Azar K, **Romanelli RJ**, Block T, Palaniappan L, Dolginsky M, and Block C. Improving Diet, Activity and Wellness in Adults at Risk of Diabetes: Randomized Controlled Trial. *Nutrition & Diabetes*. 2016; 6(9):e231.
27. Nimbal V, Segal JB, **Romanelli RJ**\*. An Algorithm to Identify Generic Drug Use with Electronic Health Records Data from a Healthcare Delivery System: Implications for Quality Improvement and Research. *Journal of Managed-Care and Specialty Pharmacy*. 2016;22(10):1143-1147.
28. **Romanelli RJ**, Nolting L, Dolginsky M, Kym E, Orrico KB. Dabigatran vs Warfarin for Atrial Fibrillation in Real-World Clinical Practice: Circulation: Cardiovascular Quality and Outcomes.2016;9(2):126-134.
29. Chung S, Johns N, Zhao B, **Romanelli R**, Pu J, Palaniappan LP, Luft H. Clocks Moving at Different Speeds: Cultural Variation in the Satisfaction of Wait Time for Outpatient Care. *Medical Care*. 2016;54(3):269-276.
30. Lee CY, Chen X, **Romanelli RJ**, Segal JB. Forces Influencing Generic Drug Development in the United States: A Narrative Review. *Journal of Pharmaceutical Policy and Practice*. 2016; 9:26.
31. Pu J, **Romanelli R**, Zhao B, Azar K, Hastings KG, Nimbal V, Fortmann S, Palaniappan LP. Dyslipidemia in Special Ethnic Populations. *Endocrinology and Metabolism Clinics of North America*. 2016; 45(1):205-216. (republished)
32. Block G, Azar KJM, **Romanelli RJ**, Block TJ, Hopkins D, Carpenter HA, Dolginsky M, Semlani N, Hudes ML, Palaniappan LP, Block CH. A Fully Automated Program for Those at Risk for Diabetes: Randomized Controlled Trial. *Journal of Medical Information Research*. 2015;17(10):e240.
33. **Romanelli RJ**, Chung S, Pu J, Nimbal V, Zhao B, Palaniappan L. Comparative Effectiveness of Early versus Delayed Metformin in the Treatment of Type 2 Diabetes. *Diabetes Research and Clinical Practice*. 2015;108(2):170-178.
34. **Romanelli RJ**, Leahy A, Jukes T, Ishisaka DY. Evaluation of a Clinical Pharmacist-Led Medication Management Program within a Patient-Centered Medical Home. *American Journal of Health-System Pharmacy*. 2015; 72(6):453-459.
35. Block G, Azar, KMJ, Block TJ, **Romanelli RJ**, Carpenter H, Hopkins D, Palaniappan L, Block CH. Alive-PD Fully Automated Web- and Internet-Based Diabetes Prevention Program: Program Design and Randomized Controlled Trial Protocol. *Journal of Medical Internet Research*. 2015;4(1):e3.

36. Pu J, **Romanelli R**, Zhao B, Azar K, Hastings KG, Nimbai V, Fortmann S, Palaniappan LP. Dyslipidemia in Special Ethnic Populations. *Cardiology Clinics*. 2015;33(2):325-333.
37. **Romanelli RJ**, Segal JB. Predictors of Statin Compliance after Switching from Branded to Generic Agents among Manage-Care Beneficiaries. *Journal of General Internal Medicine*. 2014; 29(10):1372-1378.
38. **Romanelli RJ**, Jukes T, Segal JB. Compliance after Switching from Branded to Generic Statins. *Pharmacoepidemiology and Drug Safety*. 2014;23(10):1093-1100.
39. **Romanelli RJ**, Wu FM, Gamba R, Mojtabai R, Segal JB. Behavioral Therapy and Serotonin Reuptake Inhibitor Pharmacotherapy in the Treatment of Obsessive Compulsive Disorder: A Systematic Review and Meta-Analysis of Head-to-Head Randomized Controlled Trials. *Depression & Anxiety*. 2014; 31(8):641-652.
40. **Romanelli RJ**, Leahy A, Jukes T, Ye X, Qian C, Ishisaka DY. Colesevelam in the Treatment of Hypercholesterolemia and Hyperglycemia: A Retrospective Analysis from an Ambulatory Care Medical Network. *Clinical Medical Research & Opinion*. 2013;29(10):1747-1756.
41. **Romanelli RJ**, Leahy A, Jukes T, Ye X, Kang A, Ishisaka DY. Multivariate Analysis of Factors Associated with Persistent Colesevelam Treatment among Patients with Hypercholesterolemia. *Annals of Pharmacotherapy*. 2013;47(10):1247-1252.
42. **Romanelli RJ**, Leahy A, Jukes T, Ishisaka DY. Treatment and Management of Postmenopausal Osteoporosis within an Ambulatory Care Medical Network. *Journal of Pharmacy Technology*. 2013;29(2):55-60.
43. Ishisaka DY, Jukes T, **Romanelli RJ**, Wong KS, Schiro TA. Disparities in Adherence to and Persistence with Antihypertensive Regimens: An Exploratory Analysis from a Community-Based Provider Network. *Journal of the American Society for Hypertension*. 2012;6(3):201-209.
44. **Romanelli RJ**, Schiro TA, Jukes T, Wong KS, Ishisaka DY. Disparities in Blood Pressure Control within a Community-Based Provider Network: An Exploratory Analysis. *Annals of Pharmacotherapy*. 2011; 45(12):1473-1482.
45. Schiro TA, Sakowski J, **Romanelli RJ**, Jukes T, Newman J, Hudnut A, Leonard T. Improving Adherence to Best-Practice Guidelines for Venous Thromboembolism Risk Assessment and Prevention. *American Journal of Health-System Pharmacy*. 2011;68(22):2184-2188.
46. **Romanelli RJ**, Mahajan, KR, Fulmer CG, and Wood TL. Insulin-Like Growth Factor-I-Stimulated Akt Phosphorylation and Oligodendrocyte Progenitor Cell Survival Require Cholesterol-Enriched Membranes. *Journal of Neuroscience Research*. 2009;87(15):3369-3377.
47. **Romanelli RJ** and Wood TL. Directing Traffic in Neural Cells: Determinates of Receptor Tyrosine Kinase Localization and Cellular Responses. *Journal of Neurochemistry*. 2008;105(6):2055-2068.
48. **Romanelli RJ**, LeBeau AP, Fulmer CG, Lazzarino D, Hochberg A, and Wood TL. Insulin-Like Growth Factor Type-I Receptor Internalization and Recycling Mediate the Sustained Phosphorylation of Akt. *Journal of Biological Chemistry*. 2007; 282(31):22513-22524.