

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
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NAME Gonzales, Ralph	POSITION TITLE Associate Professor of Medicine; Epidemiology and Biostatistics		
eRA COMMONS USER NAME GONZALER			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Washington University, St. Louis, MO	BA	1986	Biology
University of California, San Francisco, CA	MD	1991	Medicine
University of Colorado, Denver, CO	MSPH	1997	Clinical Research

A. Positions and Honors. List in chronological order previous positions, concluding with your present position. List any honors. Include present membership on any Federal Government public advisory committee.

Positions

- 7/1/95-6/30/97 National Research Service Award, Primary Care Fellowship, Division of General Internal Medicine, University of Colorado Health Sciences Center
- 7/1/97-12/1/98 Association for American Medical Colleges Health Services Research Institute
- 7/1/97-6/30/01 Assistant Professor, Division of General Internal Medicine, University of Colorado Health Sciences Center
- 12/1/97-2003 Associate, Latino/a Research and Policy Center, University of Colorado, Denver,
1999 External Consultant to the Task Force on the Development of a Public Health Action Plan to Combat Antimicrobial Resistance, CDC/NIH/FDA
- 7/1/99-6/30/00 Project Director, Principles of Appropriate Antibiotic Use for Acute Respiratory Tract Infections in Adults, Center for Disease Control and Prevention (CDC).
- 7/1/01-6/30/07 Associate Professor, Division of General Internal Medicine, Department of Medicine, UCSF
- 1/1/03-6/30/07 Associate Professor, Department of Epidemiology and Biostatistics, UCSF
- 1/1/03-9/30/05 Associate Director, General Internal Medicine Clinical Research Fellowship, UCSF
- 10/1/05-present Associate Director, CTSA KL2 Career Development Program, UCSF
- 2005-2009 Board of Scientific Counselors, Centers for Disease Control and Prevention, National Center for Infectious Diseases
- 7/1/07-present Professor, Division of General Internal Medicine, Department of Medicine, UCSF
- 1/1/07-present Professor, Department of Epidemiology and Biostatistics, UCSF (secondary appointment)

Honors and Awards

- The Ethan Shepley Award for Outstanding Achievement, Washington University, 1986
- Tausig Scholar, University of California, San Francisco, School of Medicine, 1986-1991
- The Milton W. Hamolsky Junior Faculty Award for Outstanding Scientific Presentation, 21st Annual Meeting of the Society of General Internal Medicine, April 23-25, 1998.
- The Milton W. Hamolsky Junior Faculty Award for Outstanding Scientific Presentation, 22nd Annual Meeting of the Society of General Internal Medicine, April 29-May 1, 1999.
- Best Doctors®, San Francisco Bay Area: 2002, 2003, 2004, 2005, 2006, 2007
- Robert H Crede Award for Excellence in Teaching, Division of General Internal Medicine, University of California, San Francisco, September 2003.
- Research Mentor of the Year Award, Department of Medicine Housestaff, University of California, San Francisco, May 2005.
- Alpha Omega Alpha Alumni Teaching Award, UCSF School of Medicine Class of 2007, May 2007.

B. Selected peer-reviewed publications (in chronological order).

1. Gonzales R, Steiner JF, Sande MA. Antibiotic prescribing for adults with colds, upper respiratory tract infections and bronchitis by ambulatory physicians in the United States. *JAMA* 1997;278:901-904.
2. Nyquist AC, Gonzales R, Steiner JF, Sande MA. Antibiotic prescribing for children with colds, upper respiratory infections and bronchitis by ambulatory physicians in the United States. *JAMA* 1998;279:875-7.
3. Gonzales R, Steiner JF, Lum A, Barrett Jr PH. Decreasing antibiotic use in ambulatory practice: Impact of a multidimensional intervention on the treatment of uncomplicated acute bronchitis in adults. *JAMA* 1999;281:1512-19.
4. Wilson A, Barrett Jr PH, Crane LA, Gonzales R. Knowledge and behavior related to antibiotic use for acute respiratory illness: Is our message clear? *J Gen Intern Med* 1999;14:658-662.
5. Hicks C, Gonzales R, Gibbons J, Wigton R, Anderson RA. Procedural experience and comfort level in internal medicine trainees. *J Gen Intern Med* 2000;15:716-722.
6. Maselli J, Gonzales R. Measuring antibiotic prescribing practices among ambulatory physicians: agreement between medical record and administrative claims data. *J Clin Epi* 2001;54:196-201.
7. Gonzales R, Bartlett JG, Besser RE, Cooper RJ, Hickner JH, Hoffman JR, Sande MA. Principles of appropriate antibiotic use for treatment of acute respiratory tract infections in adults: Background, Specific Aims and Methods. *Ann Intern Med* 2001;134:479-486.
8. Gonzales R, Bartlett JG, Besser RE, Cooper RJ, Hickner JH, Hoffman JR, Sande MA. Principles of appropriate antibiotic use for treatment of uncomplicated acute bronchitis: background. Clinical Practice Guideline, Part 2. *Ann Intern Med* 2001;134:521-529.
9. Gonzales R, Bartlett JG, Besser RE, Hickner JH, Hoffman JR, Sande MA. Principles of appropriate antibiotic use for treatment of nonspecific upper respiratory tract infections in adults: background. Clinical Practice Guideline, Part 2. *Ann Intern Med* 2001;134:490-494.
10. Gonzales R, Steiner JF, Maselli J, Lum A, Barrett Jr, PH. Impact of reducing antibiotic prescribing for acute bronchitis on patient satisfaction. *Effect Clin Pract* 2001, 4:105-11.
11. DiMatteo L, Lowenstein SR, Brimhall B, Reiquam W, Gonzales R. The relationship btwn the clinical features of pharyngitis & the sensitivity of a rapid antigen test: evidence of spectrum bias. *Ann Emerg Med* 2001;38:648-52.
12. Oboler SK, Prochazka AV, Gonzales R, Anderson RJ. Public expectations for the annual physical. *Ann Intern Med* 2002;136:652-9.
13. O'Brien MM, Gonzales R, Shroyer LA, Grunwald GK, Daley J, Henderson WG, Khuri SF, Anderson RJ. Modest serum creatinine elevation affects adverse outcome in general surgery. *Kidney International* 2002;62:585-592.
14. Hambidge SJ, Davidson AJ, Gonzales R, Steiner JF. Epidemiology of pediatric injury-related primary care office visits in the United States. *Pediatrics* 2002;109:559-565.
15. Steinman MA, Landfeld CS, Gonzales R. Predictors of broad-spectrum antibiotic use for adults with acute respiratory tract infections. *JAMA* 2003;289:719-725
16. Steinman MA, Gonzales R, Linder JA, Landefeld CS. Changing use of outpatient antibiotics in the United States: 1991-1999. *Ann of Intern Med*, 2003;138:525-533.
17. Harris RL, Mackenzie T, Leeman BA, Batal H, Corbett KC, Gershman K, Gonzales R. Impact of a computer-based patient and physician educational intervention on antibiotic use for respiratory tract infections in an urban walk-in clinic. *J Gen Intern Med* 2003;18:326-334.
18. Flanders S, Stein J, Shochat G, Sellers K, Holland M, Maselli JH, Drew WL, Reingold AL, Gonzales R. Performance of a bedside c-reactive protein test in the diagnosis of community-acquired pneumonia in adults with acute cough illness. *Am J Med*, 2004;116:529-35.
19. Pletcher MJ, Maselli JH, Gonzales R. Uncomplicated alcohol intoxication in US emergency departments. *American Journal of Medicine* 2004;117:863-7.
20. Gonzales R, Corbett KK, Leeman-Castillo BA, Glazner J, Erbacher K, Darr CA, Wong S, Maselli JH, Sauaia A, Kafadar K. The 'Minimizing Antibiotic Resistance in Colorado' Project: Impact of patient education in improving antibiotic use in private office practices. *Health Serv Research* 2005;40:101-16.
21. Corbett KK, Gonzales R, Leeman-Castillo BA, Flores E, Maselli J, Kafadar K. Variation in knowledge, attitudes, and awareness about appropriate antibiotic use by Hispanic ethnicity and language preference. *Preventive Medicine*, 2005;40:162-69.

22. Pletcher MJ, Fernandez A, May TA, Westphal JR, Gamez CA, Hersh JF, Gonzales R. Unintended consequences of a quality improvement program designed to improve treatment of alcohol withdrawal in hospitalized patients. *Joint Commission Journal on Quality and Safety*, 2005;31(3):148-157.
23. Linder JA, Huang ES, Steinman MA, Gonzales R, Stafford RS. Fluoroquinolone prescribing in the United States, 1995 to 2002. *American Journal of Medicine*, 2005;118:259-68.
24. MacDougall C, Guglielmo BJ, Maselli J, Gonzales R. Trends in Antimicrobial Prescribing for Community-Acquired Pneumonia by Ambulatory Care Physicians - United States. *Emerging Infectious Diseases*, 2005;11:380-4.
25. Metlay JP, Camargo, Jr CA, Bos K, Gonzales R. Assessing the suitability of intervention sites for quality improvement studies in emergency departments. *Academic Emergency Medicine*, 2005;12:667-70.
26. Schwarz EB, Maselli J, Norton M, Gonzales R. Prescription of teratogenic medications in United States ambulatory practices. *American Journal of Medicine*, 2005;118:1240-49.
27. Stein J, Louie JK, Flanders S, Maselli JH, Hacker JK, Drew WL, Gonzales R. Performance characteristics of clinical diagnosis, a clinical decision rule, and a rapid influenza test in the detection of influenza infection in a community sample of adults. *Annals of Emergency Medicine*, 2005;46:412-19.
28. Louie JK, Hacker JK, Gonzales R, Mark J, Maselli JH, Yagi S, Drew WL. Characterization of viral agents causing acute respiratory infection in a San Francisco university medical center clinic during the influenza season. *Clinical Infectious Diseases*, 2005;41:822-28.
29. Tsui J, Pletcher MJ, Vittinghoff E, Seal K, Gonzales R. Hepatitis C and hospital outcomes in patients admitted with alcohol-related problems. *Journal of Hepatology*, 2006;44:262-66.
30. Gonzales R, Camargo, Jr CA, MacKenzie TD, Kersey AS, Maselli JH, Levin SK, McCulloch CE, Metlay JP and the IMPAACT Trial Investigators. Antibiotic treatment of acute respiratory tract infections in acute care settings. *Academic Emergency Medicine*, 2006;13:288-94.
31. Hart AM, Pepper GA, Gonzales R. Balancing acts: Antibiotic prescribing for acute respiratory infections. *Journal of Family Practice*, 2006;55:320-25.
32. Schwarz EB, Maselli JH, Gonzales R. Contraceptive counseling of diabetic women of reproductive age. *Obstetrics and Gynecology*, 2006;107:1070-74.
33. Ranji SR, Steinman MA, Shojania KG, Sundaram V, Lewis R, Arnold S, Gonzales R. Antibiotic Prescribing Behavior. Vol. 4 of: Shojania KG, McDonald KM, Wachter RM, Owens DK, editors. Closing the Quality Gap: A Critical Analysis of Quality Improvement Strategies. Technical Review 9 (Prepared by the Stanford University-UCSF Evidence-based Practice Center under Contract No. 290-02-0017). AHRQ Publication No. 04(06)-0051-4. Rockville, MD: Agency for Healthcare Research and Quality. January 2006.
34. Aagaard E, Maselli J, Gonzales R. Patterns of chest xray ordering in adults with acute cough illness. *Medical Decision Making*, 2006;26:599-605.
35. Flanders SA, Dudas V, Kerr K, McCulloch CE, Gonzales R. Effectiveness of ceftriaxone plus doxycycline in the treatment of patients hospitalized with community-acquired pneumonia. *Journal of Hospital Medicine*, 2006;1:7-12.
36. Leeman-Castillo BA, Corbett KC, Aagaard EM, Maselli JH, MacKenzie TD, Gonzales R. Acceptability of a bilingual interactive computerized educational module in a poor, medically underserved patient population. *Journal of Health Communication*, 2007;12:77-94.
37. Steinman MA, Ranji SR, Shojania KG, Gonzales R. Improving antibiotic selection: A systematic review and quantitative analysis of quality improvement strategies. *Medical Care*, 2006;44:617-28.
38. Aagaard EM, Nadler P, Adler J, Maselli JH, Gonzales R. An interactive computer kiosk module for the treatment of recurrent uncomplicated cystitis. *Journal of General Internal Medicine*, 2006;21:1156-9.
39. Vanderweil SG, Pelletier AJ, Hamedani AG, Gonzales R, Metlay JP, Camargo CA Jr. Declining antibiotic prescriptions for upper respiratory infections, 1993-2004. *Academic Emergency Medicine*, 2007;14:366-9.
40. Schwarz EB, Reeves MF, Gerbert B, Gonzales R. Knowledge of and perceived access to emergency contraception at two urgent care clinics in California. *Contraception*, 2007;75:209-13.
41. Schwarz EB, Gerbert B, Gonzales R. Need for emergency contraception in urgent care settings. *Contraception*, 2007;75:285-8.
42. Metlay JP, Camargo Jr CA, MacKenzie TD, Kersey AS, Maselli JH, Levin SK, McCulloch CE, Gonzales R and the IMPAACT Trial Investigators. Randomized trial of a multidimensional educational intervention to improve antibiotic use for adults with acute respiratory infections managed in the emergency department. *Annals of Emergency Medicine*, 2007;50:221-30..

Principal Investigator/Program Director (Last, First, Middle):

43. Nolt B, Gonzales R, Maselli J, Aagaard E, Camargo Jr CA, Metlay JP. Vital sign abnormalities as predictors of pneumonia in adults with acute cough illness. *American Journal of Emergency Medicine*, 2007;25:631-36.
 44. Aspinall SL, Metlay JP, Maselli JH, Gonzales R. Impact of hospital formularies on fluoroquinolone prescribing in emergency departments. *American Journal of Managed Care*, 2007;13:241-48..
 45. Gardner R, Sarkar U, Maselli JH, Gonzales R. Factors associated with longer emergency department lengths of stay. *American Journal of Emergency Medicine*, 2007;25:643-50.
 46. Cornia PB, Lipsky BA, Saint S, Gonzales R. Clinical problem solving. A zebra galloping through clinic. *New England Journal of Medicine*, in press.
 47. Gonzales R, Corbett KK, Wong S, Glazner J, Deas A, Leeman-Castillo BA, Maselli JH, Sebert-Kuhlman A, Wigton RS, Flores E, Kafadar K. "Get Smart Colorado": Impact of a mass media campaign to improve community antibiotic use. *Medical Care*, in press.
 48. Sarkar U, Piette JD, Gonzales R, Lessler D, Chew LD, Reilly B, Johnson J, Brunt M, Huang J, Regenstein M, Schillinger D. Preferences for self-management support: findings from a survey of diabetes patients in safety-net health systems. *Patient Education and Counseling*, in press.
- C. Research Support.** List selected ongoing or completed (during the last three years) research projects (federal and non-federal support). Begin with the projects that are most relevant to the research proposed in this application. Briefly indicate the overall goals of the projects and your role (e.g. PI, Co-Investigator, Consultant) in the research project. Do not list award amounts or percent effort in projects.

Active

5 KL2 RR024130 (McCune) 9/23/04-6/30/11
NIH/NCRR
UCSF CTSI KL2 Clinical and Translational Sciences Career Development Program
Role: Co-Investigator

1 R01 HL086473 (Auerbach) 7/1/07-6/30/10
NIH/NHLBI
Improving perioperative beta-blocker use through a multidimensional QI program.
Role: Co-Investigator

1R40MC08719 (Shafer) 9/1/07-3/31/10
HRSA Maternal and Child Health Bureau
Improving chlamydia screening in urgent care with a computer kiosk
Role: Co-Investigator

1 R01 HS13915 (PI) 8/1/03-7/31/08
AHRQ
Translating Research into Practice: Improving Antibiotic Use in Acute Care Settings
Role: Principal Investigator

Completed

1 R03 HS016238-01 (Pletcher) 1/1/06-12/30/07
AHRQ
Opiate Prescribing Patterns in the US
Role: Co-Investigator

1 R01 HS13001 (PI) 7/1/01-6/30/06
AHRQ
The Minimizing Antibiotic Resistance in Colorado Project
Role: Principal Investigator

030809 (PI) 7/1/97-8/31/02
The Robert Wood Johnson Foundation
Reducing unnecessary antibiotic use for acute bronchitis
Role: Minority Faculty Career Development Award