

Stephen Richards Cole

Department of Epidemiology
 UNC Gillings School of Global Public Health
 Campus Box 7435, Chapel Hill, NC 27599-7435, USA
 cole@unc.edu

Employment

Professor of Epidemiology <i>UNC Gillings School of Global Public Health</i>	2010 – present
Associate Professor of Epidemiology <i>UNC Gillings School of Global Public Health (2008 – 2010)</i> <i>Johns Hopkins Bloomberg School of Public Health (2005 – 2008)</i>	2005 – 2010
Assistant Professor of Epidemiology <i>Johns Hopkins Bloomberg School of Public Health</i>	2000 – 2005

Education

Postdoctoral Fellow <i>Division of Preventive Medicine</i> <i>Harvard Medical School</i>	1998 – 2000
Ph.D. <i>Department of Epidemiology and Biostatistics</i> <i>University of South Florida College of Public Health</i>	1993 – 1998
B.S. <i>University of South Florida</i>	1989 – 1993

Honors

ACE Award for Outstanding Contributions to Epidemiology	2015
Outstanding Alumni Award, USF College of Public Health	2015
American Journal of Epidemiology article of the year	2015
UNC Gillings School Teaching Innovation Award (Epidemiology)	2014
Charles C. Shepard Science Award Nomination, CDC	2010
Outstanding Review, Pharmacoepidemiology and Drug Safety	2010
Outstanding Review, Clinical Infectious Diseases	2007

Loan Repayment Award, NIH	2005 – 2007
Outstanding Dissertation Award, University of South Florida	1998
Delta Omega public health honor society	1995

Teaching (as lead or co-lead instructor)

Advanced Epidemiologic Methods (with M. Alan Brookhart)	2015 – present
Causal Inference in Epidemiology	2012
Bayesian Inference in Epidemiology	2010
Epidemiologic Analysis of Time-to-Event Data	2009 – 2014
Methodologic Challenges in EPID Research	2007 – 2008
Cohort Studies (with Jon Samet and Alvaro Munoz)	2002 – 2006

Service

Member, NIH AIDS Clinical Epidemiology study section	2015 – present
Co-Director, UNC CFAR Biostatistics core	2014 – present
Editor, American Journal of Epidemiology	2013 – present
Ad Hoc Reviewer, NIH AIDS Clinical Epidemiology study section	2012, 2014
Board Member-at-Large, Society for Epidemiologic Research	2011 – 2014
Director of Graduate Studies, Epidemiology	2011 – 2015
Member, Gillings School Academic Programs Committee	2011 – 2015
Director, CNICS Epidemiology and Biostatistics core	2010 – present
Ad Hoc Reviewer, NIH AIDS & AIDS Related Research study section	2010
Internal Advisory Board Member, UNC CFAR	2009 – 2014
Ad Hoc Reviewer, NIH Cell Biology study section	2009
Editorial Board, Epidemiology	2007 – 2013
Member, NIH/NIAID Special Emphasis Panel	2007
Associate Editor, American Journal of Epidemiology	2006 – 2013
Member, Bloomberg School Academic Standards Committee	2005 – 2008
Ad Hoc Reviewer, NIH/NICHD intramural grant review	2004
Ad Hoc Reviewer, NIH/NICHD special emphasis panel	2003
Associate Editor-in-Residence, American Journal of Epidemiology	2001 – 2006
Ad Hoc Reviewer, NIH Prevention & Health Behavior study section	2001
Member, American Statistical Association	2000 – present
Member, Society for Epidemiologic Research	1995 – present

Journal Reviews Provided for:

AIDS, American Journal of Epidemiology, Annals of Applied Statistics, Annals of Internal Medicine, Biometrics, Biometrika, Biostatistics, BMJ, Clinical Infectious Disease, Clinical Trials,

Demography, Environmental Health Perspectives, Epidemiology, European Journal of Epidemiology, International Journal of Biostatistics, International Journal of Epidemiology, Journal of the American Statistical Association, Journal of the Royal Statistical Society C, Lifetime Data Analysis, New England Journal of Medicine, Pharmacoepidemiology and Drug Safety, PLoS Medicine, PLoS One, Statistics and Probability Letters, Statistics in Medicine, and others

Grants (as Principal Investigator or alike)

R01AI100654 03/19/13 – 04/01/17

NIH/NIAID

Structural models for treatment and exposure effects in clinical HIV cohorts

Develop, apply and disseminate advanced, yet practical quantitative methods to enable accurate inference from complex longitudinal data on individuals infected with HIV.

R24AI067039 (M. Saag, PI) 09/01/11 – 08/31/21

NIH/NIAID and NIH/NHLBI

CFAR Network of Integrated Clinical Systems (CNICS)

CNICS is a collaboration of 8 NIH Center for AIDS Research HIV Clinical Cohorts with the overall objective to improve the clinical management and outcomes of HIV-infected individuals receiving primary HIV care. The Biostatistics and Epidemiology Core provides collaboration and analytic support to the CNICS.

Role: Director, Epidemiology and Biostatistics Core

P01AI050410 (R. Swanstrom, PI) 08/01/11 – 07/31/21

University of North Carolina Center for AIDS Research

The UNC CFAR is a consortium of three institutions: UNC Chapel Hill, Research Triangle Institute, and Family Health International. The goal of the CFAR is promote the broad sweep of HIV/AIDS research through a variety of mechanisms.

Role: Co-Director of Core F: Biostatistics

R21EY021478 09/01/11 – 08/31/14

NIH/NEI

Structural models to untangle triggers of ocular/nonocular herpesvirus recurrence

To estimate the association between purported triggers of ocular and genital HSV recurrence in the Herpetic Eye Disease Study using state-of-the-art statistical approaches to account for time-varying confounding.

R01AA017594 09/01/08 – 08/31/12

NIH/NIAAA

Structural models and direct and indirect effects of alcohol use on HIV infection

To use NIH-funded data sources to adapt, apply and refine novel analytic epidemiologic methods to characterize the relation, and estimate the impact, of alcohol intake and patterns on risk of infection with HIV.

R03AI071763

03/01/07 – 02/28/09

NIH/NIAID

Structural models to bridge observational and randomized evidence: HAART and AIDS

To use multiple data sources to develop a novel analytic method to correct age period observational analyses for information bias and provide a refined estimate of the average causal effect of HAART on time to AIDS or death.

U01DK66116 (A. Muñoz, PI)

04/01/03 – 03/31/08

NIH/NIDDK

Kidney Disease in Children Data Management and Analysis Center

Establish the Data Coordinating Center for a prospective study of kidney disease in children, including: management, analysis, interpretation, and presentation of data.

Role: Co-PI

Publications, peer-reviewed (mentee*; h-index = 56, papers with 56 or more citations)

1. Cole SR, Chu H, Brookhart MA, Edwards JK. Dogmatists cannot learn. *Epidemiology* 2016; In press
2. Cole SR, Hudgens MG, Edwards JK. A fundamental equivalence between randomized experiments and observational studies. *Epidemiologic Methods* 2016; In press
3. Cole SR. Nondogmatism. *Annals of Epidemiology* 2016; 26: 231-233.
4. *Lesko CR, Buchanan AL, Westreich D, Edwards JK, Hudgens MG, Cole SR. Generalizing study results: a potential outcomes perspective. *Epidemiology* 2016; In press
5. *Lesko CR, Cole SR, Hall HI, Westreich D, Miller WC, Eron JJ, Li J, Mugavero MJ, for the CNICS. Generalizing the effect of antiretroviral therapy on all-cause mortality to the newly HIV-diagnosed population in the United States. *International Journal of Epidemiology* 2016; 45: 140-150
6. *Todd JV, Cole SR, Pence PW, Lesko CR, Bacchetti P, Cohen MH, Feaster DJ, Gange S, Friswold M, Mack W, Rubtsova A, Wang C, Weedon J, Anastos K, Adimora AA. Effects of antiretroviral therapy and depressive symptoms on all-cause mortality among HIV infected women. *American Journal of Epidemiology* 2016; In press

7. Westreich D, Edwards JK, Rogawski ET, Hudgens MG, Stuiart EA, Cole SR. Causal impact: Epidemiological approaches for a public health of consequence. *Am J Public Health* 2016; 106: 1011-1912.
8. Edwards JK, Cole SR, Lesko CR, Mathews WC, Moore RD, Mugavero MJ, Westreich DJ. An illustration of inverse probability weighting to estimate policy-relevant causal effects. *American Journal of Epidemiology* 2016; 184: 336-344
9. Shepherd BE, Liu Q, Mercaldo N, Jenkins CA, Lau B, Cole SR, Saag MS, Sterling TR. Comparing results from multiple imputation and dynamic marginal structural models for estimating when to start antiretroviral therapy. *Statistics in Medicine* 2016; [In press](#)
10. Richardson DB, Keil AP, Cole SR, MacLehose RL. Observed and expected mortality in cohort studies. *American Journal of Epidemiology* 2016; [In press](#)
11. Lodi S, Sharma S, Lundgren J, Phillips A, Cole SR, Logan R, Agan BK, Babiker A, Klinker H, Chu H, Law M, Neaton J, Hernán MA, on behalf of the INSIGHT Strategic Timing of AntiRetroviral Treatment (START) group. The per-protocol effect of immediate vs. deferred ART initiation in the START randomized trial. *AIDS* 2016; [In press](#)
12. Yanik E, Achenbach CJ, Gopal S, Coghill AE, Cole SR, Eron JJ, Moore RD, Mathews WC, Drozd DR, Hamdan A, Ballesta ME, Engels EA. Changes in clinical context for Kaposi sarcoma and on-Hodgkin lymphoma among HIV-infected people in the US. *Journal of Clinical Oncology* 2016; [In press](#)
13. Rogawski E, Westreich D, Kang G, Ward HD, Cole SR. Estimating differences and ratios in median times to event. *Epidemiology* 2016; [In press](#)
14. Howe CJ. Cole SR, Lau B, Napravnik S, Eron JJ. Selection bias due to loss to follow up in cohort studies. *Epidemiology* 2016; 27: 91-97 PMID: 26484424
15. Lee H, Hudgens MG, Cai J, Cole SR. Marginal structural Cox models with case cohort sampling. *Statistica Sinica* 2016; 26: 509-526
16. Saag MS, Westfall AO, Cole SR, Mathews WC, Drozd DR, Mayer KH, Burkholder GA, Kitahata M, Maiese EM; CFAR Network of Integrated Clinical Systems (CNICS). Factors associated with the selection of initial antiretroviral therapy from 2009 to 2012. *JAIDS*; [In press](#)
17. Ma X, Nie L, Cole SR, Chu H. Statistical methods for multivariate meta-analysis of diagnostic tests: an overview and tutorial. *Statistical Methods in Medical Research* 2016; [In press](#) PMID: 2384970

18. Ma X, Chu H, Chen Y, Cole SR. A hybrid Bayesian hierarchical model combining cohort and case-control studies for meta-analysis of diagnostic tests: accounting for disease prevalence and partial verification bias. *Statistical Methods in Medical Research* 2016; [In press](#)
19. Moore KR, Cole SR, Dittmer DP, Schoenbach VJ, Smith JS, Baird DD. Herpes simplex virus-2 seroprevalence and ultrasound diagnosed uterine fibroids in a large population of young African-American women. *American Journal of Epidemiology* 2016; 183: 961-968
20. O'Donnell JK, Gaynes BN, Cole SR, Thielman NM, Edmonds A, Quinlivan EB, Heine AD, Shirey K, Modi R, Pence BW. Ongoing life stressors and suicidal ideation among HIV-infected adults with depression. *Journal of Affective Disorders* 2016; 190: 322-328 PMID: 26544615
21. Cole SR, Hudgens MG, Brookhart MA, Westreich D. Risk. *American Journal of Epidemiology* 2015; 181: 246-250
22. Cole SR, Lau B, Eron JJ, Brookhart MA, Kitahata MM, Martin JN, Mathews WC and Mugavero MJ for the CNICS research network. Estimation of standardized risk difference and ratio in a competing risks framework: application to injection drug use and progression to AIDS after initiation of antiretroviral therapy. *American Journal of Epidemiology* 2015; 181: 236-245 PMID: 24966220
23. *Lesko CR, Cole SR, Miller WC, Westreich D, Eron JJ, Adimora AA, Moore RD, Mathews WC, Martin JN, Drozd DR, Kitahata MM, Edwards JK, Mugavero MJ. Ten-year survival by race/ethnicity and sex among treated, HIV-infected adults. *Clinical Infectious Diseases* 2015; 60: 1700-1707 PMID: 25767258
24. *Edwards JK, Cole SR, Westreich D, Mugavero MJ, Eron JJ, Moore RD, Mathews WC, Hunt P, Williams C. Age at entry into care, timing of antiretroviral therapy initiation, and 10-year mortality among HIV-seropositive adults in the United States. *Clinical Infectious Diseases* 2015; 61: 1189-1198 PMID: 26082505
25. *Edwards JK, Cole SR, Westreich D. All your data are always missing: incorporating bias due to measurement error into the potential outcomes framework. *International Journal of Epidemiology* 2015; 44: 1452-1459 PMID: 25921223
26. *Edwards JK, Cole SR, Martin J, Moore R, Mathews WC, Kitahata M, Eron JJ, Saag M, Mugavero MJ, for the CNICS. Dynamic visual display of treatment response in HIV-infected adults. *Clinical Infectious Diseases* 2015; 61: e1-4 PMID: 25838289
27. *Edwards JK, Cole SR, Adimora A, Fine J, Martin J, Eron JJ. Illustration of a measure to combine viral suppression and viral rebound in studies of HIV therapy. *JAIDS* 2015; 68: 241-244

28. *Edwards JK, Cole SR, Westreich D, Crane H, Eron JJ, Mathews WC, Moore R, Boswell SL, Mugavero MJ, for the CNICS. Multiple imputation to account for measurement error in marginal structural models. *Epidemiology* 2015; 26: 645-652 PMID: 26214338
29. Richardson DB, Kinlaw A, MacLehose R, Cole SR. Standardized binomial models for risk or prevalence ratios and differences. *International Journal of Epidemiology* 2015; 44: 1660-1672 PMID: 26228585
30. Westreich D, Edwards JK, Cole SR, Platt RW, Mumford SL, Schisterman EF. Imputation approaches for potential outcomes in causal inference. *International Journal of Epidemiology* 2015; 25: 645-652 PMID: 26214338
31. Richardson DB, Hamra GB, MacLehose RF, Cole SR, Chu H. Hierarchical regression for analyses of multiple outcomes. *American Journal of Epidemiology* 2015; 182: 459-467 PMID: 26232395
32. Mumford SL, Schisterman EF, Cole SR, Westreich D, Platt RW. Time at risk and intention-to-treat analyses: parallels and implications for inference. *Epidemiology* 2015; 26: 112-118 PMID: 25275571
33. Ahrens KA, Cole SR, Westreich D, Platt RW, Schisterman EF. A cautionary note about estimating effects of secondary exposures in cohort. *American Journal of Epidemiology* 2015; 181: 198-203
34. Nevo ON, Lesko C, Colwell B, Ballard C, Cole SR, Mathews WC. Outcomes of pharmacist assisted management of antiretroviral therapy in HIV infected patients: A risk-adjusted analysis. *American Journal of Health-Systems Pharmacy* 2015; 72: 1463-1470 PMID: 26294239
35. Feinstein L, Edmonds A, Okitolonda V, Cole SR, Van Rie A, Chi BH, Ndjibu P, Lusima J, Chalachala JL, Behets F. Maternal combination antiretroviral therapy is associated with improved retention of HIV-exposed infants in Kinshasa, Democratic Republic of Congo. *JAIDS* 2015; 69: e93-e99 PMID: 25886922
36. Seamans MJ, Robinson WR, Thopre RJ, Cole SR, LaVeist TA. Exploring racial differences in the obesity gender gap. *Annals of Epidemiology* 2015; 25: 420-425 PMID: 25887701
37. Moore KR, Cole SR, Dittmer DP, Schoenbach VJ, Smith JS, Baird DD. Self-reported reproductive tract infections and ultrasound diagnosed uterine fibroids in African-American women. *Journal of Women's Health* 2015; 24: 489-495 PMID: 25901468

38. Cole SR, Chu H, Greenland S. Maximum likelihood, profile likelihood and penalized likelihood: a primer. *American Journal of Epidemiology* 2014; 179: 252-260 PMID: 24173548
39. *Edwards JK, Cole SR, Westreich D, Moore R, Mathews C, Geng E, Eron JJ, Mugavero MJ, for the CNICS network. Twelve-month loss to clinic and mortality among HIV-infected antiretroviral therapy initiators: Implications for evaluation and inference from observational HIV studies. *PLoS ONE* 2014; 9(7):e102305
40. *Edwards JK, McGrath LJ, Buckley JP, Schubauer-Berigan MK, Cole SR, Richardson DB. Occupational radon exposure and lung cancer mortality: estimating intervention effects using the parametric G-formula. *Epidemiology* 2014; 25: 829-834 PMID: 25192403
41. *Edwards JK, Cole SR, Chu H, Olshan A, Richardson DB. Accounting for outcome misclassification in the effect of occupational asbestos exposure on lung cancer mortality. *American Journal of Epidemiology* 2014; 179: 641-647 PMID: 24352593
42. *Ludema C, Cole SR, Poole C, Smith JS, Schoenbach VJ, Wilhelmus K. Association between unprotected UV exposure and ocular herpes simplex virus recurrence. *American Journal of Epidemiology* 2014; 179: 208-215 PMID: 24142918
43. *Naimi AI, Cole SR, Hudgens MG, Richardson DB. Estimating the effect of cumulative occupational asbestos exposure on time to lung cancer mortality using structural nested failure time models to account for the healthy worker survivor effect. *Epidemiology* 2014; 25: 246-254 PMID: 24487207
44. *O'Brien KM, Cole SR, Poole C, Bensen JT, Herring AM, Engel LS, Millikan RC. Replication of breast cancer susceptibility loci in whites and African-Americans using a Bayesian approach. *American Journal of Epidemiology* 2014; 179: 382-394 PMID: 24218030
45. *O'Brien KM, Cole SR, Poole C, Bensen JT, Herring AM, Engel LS, Millikan RC. Breast cancer subtypes and previously established genetic risk factors: a Bayesian approach. *Cancer Epidemiology, Biomarkers and Prevention* 2014; 23: 84-97 PMID: 24177593
46. Keil A, Edwards J, Richardson DR, Naimi AI, Cole SR. The parametric g formula for time-to-event data: intuition and a worked example. *Epidemiology* 2014; 25: 889-897 PMID: 25140837
47. Richardson DB, Laurier D, Schubauer-Berigan MK, Tchetgen Tchetgen E, Cole SR. Assessment and indirect adjustment for confounding by smoking in cohort studies using relative hazards models. *American Journal of Epidemiology* 2014; 180: 33-940 PMID: 25245043

48. Buchanan AL, Hudgens MG, Cole SR, Lau B, Adimora AA. Worth the weight: using inverse probability weighted Cox models in AIDS research. *AIDS Research and Human Retroviruses* 2014; 30: 1170-1177 PMID: 25183195
49. Gopal S, Patel MR, Achenbach CJ, Yanik EL, Cole SR, Napravnik S, Burkholder GA, Mathews WC, Rodriguez B, Deeks SG, Mayer KH, Moore RD, Kitahata MM, Richards KL, Eron JJ. Lymphoma Immune Reconstitution Inflammatory Syndrome in the Center for AIDS Research Network of Integrated Clinical Systems Cohort. *Clin Infect Dis* 2014; 59: 279-286 PMID: 24755860
50. Mugavero MJ, Westfall AO, Cole SR, Geng EH, Crane HM, Kitahata MM, Mathews WC, Napravnik S, Eron JJ, Moore RD, Keruly JC, Mayer KH, Giordano TP, Raper JL; on behalf of CFAR Network of Integrated Clinical Systems (CNICS). Beyond core indicators of retention in HIV care: missed clinic visits are independently associated with all-cause mortality. *Clinical Infectious Diseases* 2014; 59: 1471-1479 PMID: 25091306
51. Goukova NA, Cole SR, Eron JJ, Fine JP. Viral suppression in HIV studies: Combining times to suppression and rebound. *Biometrics* 2014; 70: 441-448 PMID: 24446693
52. Chen Q, May RC, Ibrahim JG, Chu H, Cole SR. Joint modeling of longitudinal and survival data with missing and left-censored time-varying covariates. *Statistics in Medicine* 2014; 33(26):4560-76 PMID: 24947785
53. Achenbach CJ, Buchanan A, Cole SR, Hou L, Martinez-Maza O, Mugavero MJ, Crane HM, Moore RD, Haubrich RH, Eron JJ, Saag MS, Kitahata MM, for the CNICS research network. HIV viremia and risk of non-Hodgkin lymphoma in patients treated with antiretroviral therapy: a cohort study. *Clinical Infectious Diseases* 2014; 58: 1599-1606 PMID: 24523217
54. Feinstein L, Edmonds A, Chalachala JL, Okito V, Luisama J, Van Rie A, Chi BH, Cole SR, Behets F. Temporal changes in the outcomes of HIV-exposed infants in Kinshasa, DR Congo during a period of rapidly evolving guidelines for care (2007-2013). *AIDS* 2014; 28 Suppl 3: S301-311
55. Yanik EL, Napravnik S, Cole SR, Achenbach CJ, Gopal S, Dittmer DP, Olshan AF, Kitahata M, Mugavero M, Saag M, Mayer KH, Rodriguez B, Moore RD, Mathews WC, Hunt P, Eron JJ, for the CNICS research network. Relationship of immunologic response to antiretroviral therapy with non-AIDS-defining cancer incidence. *AIDS* 2014; 28: 979-987 PMID: 24681415
56. Howe CJ, Cole SR, Napravnik S, Kaufman JS, Adimora AA, Elston B, Eron JJ, Mugavero MJ. The role of at-risk alcohol/drug use and treatment in appointment attendance and virologic suppression among HIV+ African Americans. *AIDS Research and Human Retroviruses* 2014; 30: 233-240 PMID: 24325326

57. Howe CJ, Napravnik S, Mugavero MJ, Cole SR, Kaufman JS, Adimora AA, Elston B, Eron JJ. African American race and HIV virologic suppression in the absence of disparities in clinic attendance. *American Journal of Epidemiology* 2014; 179: 1484-1492 PMID: 24812158
58. Cromwell EA, Dube Q, Cole SR, Chirambo C, Dow AE, Heyderman RS, Van Rie A. Validity of US norms for the Bayley Scales of Infant Development-III in Malawian children. *European Journal of Paediatric Neurology* 2014; 18: 223-30 PMID: 24423629
59. Lofgren ET, Cole SR, Weber DJ, Anderson DJ, Moehring RW. Hospital-acquired *Clostridium difficile* infections: estimating all-cause mortality and length of stay. *Epidemiology* 2014; 25: 570-575 PMID: 24815305
60. Belenky NM, Cole SR, Pence BW, Itemba D, Maro V, Whetten K. Depressive symptoms, HIV medication adherence, and HIV clinical outcomes in Tanzania: a prospective, observational study. *PLoS One* 2014; 9: e95469 PMID: 24798428
61. Cole SR, Richardson DB, Chu H, Naimi AI. Occupational asbestos exposure and lung cancer mortality using the G formula. *American Journal of Epidemiology* 2013; 177: 989-996 PMID: 23558355
62. *Edwards JK, Cole SR, Troester MA, Richardson DB. Accounting for misclassified outcomes in binary regression models using multiple imputation. *American Journal of Epidemiology* 2013; 177: 904-912
63. *Naimi AI, Richardson DB, Cole SR. Causal inference in occupational epidemiology: accounting for the healthy worker effect using structural nested models. *American Journal of Epidemiology* 2013; 178: 1681-1686 PMID: 24077092
64. *Lesko CR, Cole SR, Zinski A, Poole C, Mugavero MJ. A systematic review and meta-regression of temporal trends in adult CD4+ cell count at presentation to HIV care, 1992-2011 (with discussion). *CID* 2013; 57: 1027-1037 PMID: 23921882
65. *Sander PM, Cole SR, Stall RD, Jacobson LP, Eron JJ, Napravnik S, Gaynes BN, Johnson-Hill L, Bolan RK, Ostrow DG. Joint effects of alcohol consumption and high-risk sexual behavior on HIV seroconversion among men who have sex with men. *AIDS* 2013; 27: 815-823 PMID: 23719351
66. *Naimi AI, Cole SR, Hudgens MG, Wing SB, Brookhart MA, Richardson DB. Assessing the component associations of the healthy worker survivor bias: occupational asbestos exposure and lung cancer mortality. *Annals of Epidemiology* 2013; 23: 334-341 PMID: 23683709

67. Gopal S, Patel MR, Yanik EL, Cole SR, Achenbach CJ, Napravnik S, Burkholder G, Reid E, Rodriguez R, Deeks S, Mayer K, Moore R, Kitahata MM, Eron JJ, Richards KL. Temporal trends in presentation and survival for HIV-associated lymphoma in the antiretroviral therapy era (with discussion). *JNCI* 2013; 105: 1221-1229 PMID: 23892362
68. Zhang J, Cole SR, Richardson DB, Chu H. A Bayesian approach to strengthen inference for case-control studies with multiple non-gold standard exposure assessments. *Statistics in Medicine* 2013; 32: 4426-4437 PMID: 23661263
69. Richardson DB, Wing S, Cole SR. Missing doses in the Life Span Study of Japanese atomic bomb survivors (with discussion). *American Journal of Epidemiology* 2013; 177: 562-568 PMID: 23429722
70. Yanik EL, Napravnik S, Cole SR, Achenbach C, Gopal S, Olshan A, Dittmer D, Kitahata M, Mugavero M, Saag M, Eron JJ. Incidence and Timing of Cancer following Initiation of Combination Antiretroviral Therapy, in the United States 1996-2011. *CID* 2013; 57: 756-764 PMID: 23735330
71. Platt RW, Brookhart MA, Cole SR, Westreich D, Schisterman EF. An information criterion for marginal structural models. *Statistics in Medicine* 2013; 32: 1383-1393 PMID: 22972662
72. Hamra GB, MacLehose RF, Cole SR. Using weakly informative Bayesian priors to conduct sensitivity analyses for sparse data problems. *Epidemiology* 2013; 24: 233-239 PMID: 23337241
73. Richardson DB, Cole SR, Chu H. Random effects regression models for trends in standardized mortality ratios. *Occupational Environmental Medicine* 2013; 70: 133-139 PMID: 23155190
74. Schisterman EF, Cole SR, Ye A, Platt RW. Accuracy loss due to selection bias in cohort studies with left truncation. *Pediatric and Perinatal Epidemiology* 2013; 27: 491-502 PMID: 23930785
75. McGrath LJ, Cole SR, Kshirsagar AV, Weber DJ, Stürmer T, Brookhart MA. Hospitalization and skilled nursing care are predictors of influenza vaccination among patients on hemodialysis: evidence of confounding by frailty. *Medical Care* 2013; 51: 1106-1113 PMID: 23969584
76. Gopal S, Patel MR, Yanik EL, Cole SR, Achenbach CJ, Napravnik S, Burkholder GA, Reid EG, Rodriguez B, Deeks SG, Mayer KH, Moore RD, Kitahata MM, Richards KL, Eron JJ. Association of early HIV viremia with mortality after HIV-associated lymphoma. *AIDS* 2013; 24: 2365-2374 PMID: 23736149

77. Batis C, Gordon-Larsen P, Cole SR, Du S, Zhang B, Popkin B. Sodium Intake and Incident Hypertension among Chinese Adults: Estimated Effects Across Three Different Exposure Periods. *Epidemiology* 2013; 24: 410-418 PMID: 23466527
78. Mumford SL, Dasharathy SS, Pollack AZ, Perkins NJ, Mattison DR, Cole SR, Wactawski-Wende J, Schisterman EF. Serum uric acid in relation to endogenous reproductive hormones during menstrual cycle: findings from the Biocycle study. *Human Reproduction* 2013; 28: 1853-1862 PMID: 23562957
79. Cook RL, Zhu F, Belnap BH, Weber K, Cole SR, Vlahov D, Cook JA, Hessol NA, Wilson TE, Plankey M, Howard AA, Sharp GB, Richardson JL, Cohen MH. Alcohol consumption trajectory patterns in adult women with and without HIV infection. *AIDS and Behavior* 2013; 17: 1705-1712 PMID: 22836592
80. Yanik EL, Napravnik S, Ryscavage P, Eron JJ, Koletar SL, Moore RD, Zinski A, Cole SR, Hunt P, Crane HM, Kahn J, Mathews C, Mayer K, Taiwo B. Hematologic, hepatic, renal and lipid laboratory monitoring following initiation of combination antiretroviral therapy in the United States, 2000-2010. *JAIDS* 2013; 63: 216-220 PMID: 23446495
81. Bensen JT, Tse CK, Nyante SJ, Barnholtz-Sloan JS, Cole SR, Millikan RC. Association of germline microRNA SNPs in pre-miRNA flanking region and breast cancer risk and survival: the Carolina Breast Cancer Study. *Cancer Causes Control* 2013; 24: 1099-1109 PMID: 23536039
82. Zhu H, Napravnik S, Eron JJ, Cole SR, Ma Y, Wohl DA, Cou Z, Ahang Y, Liu Z, Zhao D, Yu L, Cohen MS, Zhang F. Decreasing excess mortality of HIV-infected patients initiating antiretroviral therapy: comparison with mortality in general population in China, 2003-2009 *JAIDS* 2013; 15: e150-e157 PMID: 23572014
83. Cole SR, Chu H, Greenland S, Hamra G, Richardson DB. Bayesian posterior distributions without Markov Chains (with discussion). *American Journal of Epidemiology* 2012; 175: 368-375 PMID: 22306565
84. Cole SR, Hudgens MG, Tien PC, Kingsley L, Chmiel JS, Anastos K, Jacobson JP. Marginal structural models for case-cohort study designs to estimate the effect of antiretroviral therapy initiation on incident AIDS or death. *American Journal of Epidemiology* 2012; 175: 381-390 PMID: 22302074
85. *Westreich D, Cole SR, Platt R, Schisterman EF. A simulation study of the marginal structural Cox proportional hazards model. *Statistics in Medicine* 2012; 31: 2098-109 PMID: 22492660

86. *Westreich D, Cole SR, Young JG, Pallela F, Tien PC, Kingsley L, Gange SJ, Hernán MA. The parametric G-formula to estimate the effect of highly active antiretroviral therapy on incident AIDS or death. *Statistics in Medicine* 2012; 31: 2000-9 PMID: 22495733
87. *Howe CJ, Cole SR, Mehta SH, Kirk GD. Estimating the effects of multiple time-varying exposures using joint marginal structural models: alcohol consumption, injection drug use injection frequency, and HIV acquisition. *Epidemiology* 2012; 23: 574-82 PMID: 22495473
88. Richardson DB, Cole SR, Langholz B. Regression models for the effect of exposure rate and cumulative exposure. *Epidemiology* 2012; 23: 892-9 PMID: 23007044
89. McGrath LS, Kshirsagar A, Cole SR, Wang L, Weber D, Sturmer T, Brookhart MA. Evaluating influenza vaccine effectiveness among hemodialysis patients using a natural experiment. *Archives of Internal Medicine* 2012; 172:548-54 PMID: 22493462
90. Zhu H, Napravnik S, Eron J, Cole S, Ma Y, Wohl D, Dou Z, Zhang Y, Liu Z, Zhao D, Cohen M, Zhang FJ. Attrition among human immunodeficiency virus (HIV)-infected patients initiating antiretroviral therapy in China, 2003–2010. *PLoS ONE* 2012; 7:e39414 PMID: 22761787.
91. Snider CJ, Cole SR, Chelimo K, Sumba PO, MacDonald PDM, John CC, Meshnick SR, Moormann AM. Recurrent plasmodium falciparum malaria infections in Kenyan children diminish T-cell immunity to epstein barr virus lytic but not latent antigens. *PLoS ONE* 2012; 7:e31753 PMID: 22427806
92. Edmonds, A, Yotenbieng M, Lusiana J, Matumona Y, Kitetele F, Nku D, Napravnik S, Cole SR, Van Rie A, Behets F. Quantification of CD4 responses to combined antiretroviral therapy over five years among HIV-infected children in Kinshasa, DRC. *JAIDS* 2012; 61: 90-8 PMID: 22732464.
93. Richardson DB, Cole SR. Model averaging in the analysis of leukemia mortality among Japanese A-bomb survivors. *Radiation and Environmental Biophysics* 2012; 51: 93-5 PMID: 22228541
94. Chu H, Lofgren ET, Halloran ME, Kuan PF, Hudgens M, Cole SR. Performance of rapid influenza H1N1 diagnostic tests: a meta-analysis. *Influenza and Other Respiratory Viruses* 2012; 6: 80-86 PMID: 21883964
95. Porter KA, Cole SR, Eron JJ, Zheng Y, Mudhes M, Lockman S, Poole C, Skinner-Adams TS, Rahim S, Sawe F, Shaffer D, Siika A, Hosseinipour M, Stringer E, Currier J, Chipato T, Salata R, McCarthy JS, Meshnick SR. HIV-1 protease inhibitors and clinical malaria: A secondary analysis of ACTG A5208. *Antimicrobial Agents and Chemotherapy* 2012; 56: 995-1000 PMID: 22123685

96. Cook NR, Cole SR, Buring JE. Aspirin in the primary prevention of cardiovascular disease in the Women's Health Study: effect of noncompliance. *European Journal of Epidemiology* 2012; 27: 431-8 PMID: 22699516
97. *Howe CJ, Cole SR, Ostrow DG, Mehta S, Kirk GD. A prospective study of alcohol consumption and HIV acquisition among injection drug users. *AIDS* 2011; 25: 221-8 PMID: 21099668
98. *Howe CJ, Cole SR, Westreich DJ, Greenland S, Napravnik S, Eron JJ. Splines for trend analysis and continuous confounder control in epidemiologic research. *Epidemiology* 2011; 22: 874-5 PMID: 21968779
99. *Howe CJ, Cole SR, Chmiel JS, Muñoz A. Limitation of using probability-of-censoring weights to estimate survival in the presence of strong selection bias induced by artificial censoring. *American Journal of Epidemiology* 2011; 173: 569-77 PMID: 21289029
100. *Westreich D, Cole SR, Jonsson Funk M, Brookhart MA, Sturmer T. The role of the c-statistic in variable selection for propensity score models. *Pharmacoepidemiology and Drug Safety*; 2011; 20: 317-20 PMID: 21154576
101. *Ludema C, Cole SR, Poole C, Eron JJ. Meta-analysis of randomized trials on the association of prophylactic acyclovir with HIV-1 viral load among individuals co-infected with HSV-2. *AIDS* 2011; 19: 1265-9 PMID: 21666542
102. *Naimi AI, Cole SR, Westreich DJ, Richardson DB. A comparison of methods to estimate the hazard ratio with time varying confounding and nonpositivity. *Epidemiology* 2011; 5: 718-23 PMID: 21747286
103. *Westreich D, Cole SR, Nagar S, Maskew M, van der Horst C, Sanne I. Pregnancy and virologic response to antiretroviral therapy in South Africa. *PLoS One* 2011; 6: e22778 PMID: 21829650
104. Jonsson Funk M, Fusco J, Cole SR, Davidian M, Thomas JC, Kaufman J, White AD, Hartmann KE, Porter K, Eron J. Timing of HAART initiation timing and clinical outcomes in HIV-1 seroconverters (with discussion). *Archives of Internal Medicine* 2011; 171: 1560-9 PMID: 21949165
105. Mugavero MJ, Napravnik S, Cole SR, Eron JJ, Lau B, Crane HM, Kitahata MM, Willig JH, Moore RD, Deeks SG, Saag MS, on behalf of the CFAR Network of Integrated Clinical Systems (CNICS) Cohort Study. Viremia Copy-Years Predicts Mortality among Treatment-naïve HIV-infected Patients Initiating Antiretroviral Therapy. *Clinical Infectious Diseases* 2011; 53: 927-35 PMID: 21890751

106. Richardson DB, Cole SR, Chu H, Langholz B. Lagging exposure information in cumulative exposure-response analyses. *American Journal of Epidemiology* 2011; 174: 1516-22 PMID: 22047823
107. Edmonds A, Yotebieng M, Lusiana J, Kitetele F, Napravnik S, Cole SR, Van Rie A, Behets F. Beneficial effect of highly active antiretroviral therapy on survival of HIV-infected children in a resource-deprived setting. *PLoS Medicine* 2011; 8: e1001044. PMID: 21695087
108. Sutcliff S, Nevin RL, Pakpahan R, Bruzek DJ, Cole SR, de Marzo AM, Gaydos CA, Isaacs WB, Zenilman JM, Nelson WG, Sokoll LJ, Cersovsky SB, Platz EA. Prostate involvement during sexually transmitted infections as measured by prostate specific antigen concentration. *British Journal of Cancer* 2011; 105: 602-5 PMID: 21792196
109. Lau B, Cole SR, Gange S. Parametric mixture models to evaluate and summarize hazard ratios in the presence of competing risks with time-dependent hazards and delayed entry. *Statistics in Medicine* 2011; 30:654-65 PMID: 21120818
110. Achenbach CJ, Cole SR, Casper C, Willig JH, Mugavero MJ, Kitahata MM, Saag MS. Survival after cancer diagnosis among HIV-infected patients treated with antiretroviral therapy. *AIDS* 2011; 25: 691-700 PMID: 21160411
111. Richardson DB, MacLehose RF, Langholz B, Cole SR. Hierarchical latency models for dose-time-response associations. *American Journal of Epidemiology* 2011; 173: 695-702 PMID: 21303803
112. Chu H, Nie L, Cole SR. Estimating the relative excess risk ratio due to interaction: a Bayesian approach. *Epidemiology* 2011; 22: 242-8 PMID: 21228700
113. Stuart EA, Cole SR, Bradshaw CP, Leaf PJ. The use of propensity scores to assess the generalizability of results from randomized trials. *JRSS-A* 2011; 174: 369-386
114. Reich NG, Lessler J, Chu H, Cole SR. Identification of the asymptomatic ratio. *Epidemiology* 2011; 22: 333-5 PMID: 21464651
115. Hoots BE, Jamieson DJ, Paramsothy P, Hudgens M, Cole SR, Klein RS, Mayer KH, Rompalo AM, Schuman PC, Smith JS. Association of herpes simplex virus type 2 with the progression of HIC infection in the HERS cohort. *American Journal of Epidemiology* 2011; 173: 837-44 PMID: 21372062
116. Chen PL, Morrison CS, Cole SR. Assessing hormonal contraception on risk of HIV acquisition using marginal structural models. *Epidemiology* 2011; 22: 877-8 PMID: 21968782

117. Porter KA, Burch CL, Poole C, Juliano JJ, Cole SR, Meshnick SR. Uncertain outcomes: Adjusting for misclassification in antimalarial efficacy studies. *Epidemiology and Infection* 2011; 139: 544-51 PMID: 20619072
118. Cole SR, Stuart EA. Generalizing evidence from randomized clinical trials to target populations: the ACTG-320 trial. *American Journal of Epidemiology* 2010; 172: 107-115 PMID: 20547574
119. Cole SR, Jacobson LP, Tien PC, Kingsley L, Chmiel JS, Anastos K. Using marginal structural measurement-error models to estimate the long-term effect of antiretroviral therapy on incidence AIDS or death. *American Journal of Epidemiology* 2010; 171: 113-22 PMID: 19934191
120. Cole SR, Napravnik S, Mugavero MJ, Lau B, Eron JJ, Saag MS. Copy-years viremia as a measure of cumulative HIV viral burden. *American Journal of Epidemiology* 2010; 171: 198-205 PMID: 20007202
121. Cole SR, Hudgens MG. Survival analysis in infectious disease research: Describing events in time. *AIDS* 2010; 24: 2423-31 PMID: 208227167
122. Cole SR, Platt RW, Schisterman EF, Chu H, Westreich D, Richardson DB, Poole C. Illustrating bias due to conditioning on a collider. *International Journal of Epidemiology* 2010; 39L: 417-20 PMID: 19926667
123. *Westreich D, Cole SR, Tien PC, Chmiel JS, Kingsley L, Jonsson Funk M, Anastos K, Jacobson LP. Time scale and adjusted survival curves for marginal structural models. *American Journal of Epidemiology* 2010; 171: 691-700 PMID: 20139124
124. *Westreich D, Cole SR. Positivity in practice. *American Journal of Epidemiology* 2010; 171: 674-7 PMID: 20139125
125. *Howe CJ, Cole SR, Napravnik S, Eron JJ. Enrollment, retention and visit attendance in the UNC CFAR HIV clinical cohort, 2001-7. *AIDS Hum Retrov.* 2010; 26: 875-81 PMID: 20672995
126. *Howe CJ, Sander PM, Plankey MW, Cole SR. Effects of time-varying exposures adjusting for time-varying confounders: The case of alcohol consumption and risk of incident human immunodeficiency virus infection. *Int J Pub Health.* 2010; 55: 227-8 PMID: 20143124
127. *Shiels MS, Cole SR, Mehta SH, Kirk GD. Lung cancer incidence and mortality among HIV-infected and HIV-uninfected injection drug users. *JAIDS* 2010; 55: 510-5 PMID: 20838223

128. *Shiels MS, Cole SR, Chmiel JS, Margolick J, Martinson J, Zhang ZF, Jacobson LP. A comparison of *ad hoc* methods to account for non-cancer AIDS and deaths as competing risks when estimating the effect of HAART on incident cancer AIDS among HIV-infected men. *Journal of Clinical Epidemiology* 2010; 63: 459-67 PMID: 19880284
129. *Sander P, Cole SR, Ostrow DG, Kirk GD. Determinants of alcohol consumption in HIV uninfected injection drug users. *Alcohol and Drug Dependence* 2010; 111: 173-6 PMID: 20547014
130. O'Brien KM, Cole SR, Tse CK, Perou CM, Carey LA, Foulkes WD, Dressler LG, Geradts J, Millikan RC. Intrinsic breast cancer subtypes, race, and long-term survival in the Carolina Breast Cancer Study (with discussion). *Clinical Cancer Research* 2010; 16: 6100-10 PMID: 21169259
131. Nandi A, Glass TA, Cole SR, Chu H, Galea S, Celentano DD, Kirk GD, Vlahov D, Latimer WW, Mehta SH. Neighborhood poverty and injection cessation in a sample of injection drug users. *American Journal of Epidemiology* 2010; 171: 391-8 PMID: 20093307
132. Chu H, Cole SR. Estimation of risk ratios in cohort studies with common outcomes: a Bayesian approach. *Epidemiology* 2010; 21: 855-62 PMID: 2084438
133. Chu H, Zhou Y, Cole SR, Ibrahim JG. Latent class models for screening studies using two binary screening tests with categorical disease status verified only on the test positives. *Statistics in Medicine* 2010; 29: 1206-18 PMID: 20191614
134. Nie L, Liu C, Chu H, Cole SR, Vexler A, Schisterman EF. Linear regression with an independent variable subject to a detection limit. *Epidemiology* 2010; 21: S17-S24 PMID: 20502336
135. Nie L, Chu H, Li F, Cole SR. Relative excess risk due to interaction: resampling-based confidence intervals. *Epidemiology* 2010; 21: 552-6 PMID: 20502336
136. Yotebieng M, Van Rie A, Moultrie H, Cole SR, Adimora A, Behets F, Meyers T. Effect on mortality and vorlogical response of delaying antiretroviral therapy initiation in children receiving tuberculosis treatment. *AIDS* 2010; 24: 1341-9 PMID: 20559039
137. Howard AA, Hoover DR, Anastos K, Wu X, Shi Q, Strickler HD, Cole SR, Cohen MH, Kovacs A, Augenbraun M, Latham PS, Tien PC. The effects of opiate use and hepatitis C virus infection on the risk of diabetes mellitus in the Women's Interagency HIV Study. *JAIDS* 2010; 54: 152-9 PMID: 20190642
138. Hatt SR, Leske DB, Yamada T, Bradley EA, Cole SR, Holmes JM. Development and initial validation of quality-of-life questionnaires for intermittent exotropia. *Ophthalmology*. 2010; 117: 163-8 PMID: 19896195

139. Felius J, Chandler DL, Holmes JM, Chu RH, Cole SR, Hill M, Huang K, Kulp MY, Lazar EL, Matta NS, Melia M, Wallace DK. Evaluating the burden of amblyopia treatment from the patient and child's perspective. *Journal of the American Association of Pediatric Ophthalmology and Strabismus* 2010; 14: 389-95 PMID: 21035063
140. Cole SR, Nie L, Chu H. Nonparametric estimator of relative time with application to the Acyclovir Prevention Trial. *Clinical Trials* 2009; 6: 320-8 PMID: 19667028
141. Cole SR, Chu H, Nie L, Schisterman EF. Estimating the odds ratio when exposure has a limit of detection. *International Journal of Epidemiology* 2009; 38: 1674-80 PMID: 19667054
142. Cole SR, Frangakis CE. The consistency statement in causal inference: a definition or an assumption? *Epidemiology* 2009; 20: 3-5 PMID: 19234395
143. *Cain LE, Cole SR. Noncompliance-corrected effect of randomized highly active antiretroviral therapy on incident AIDS or death using inverse probability-of-censoring weights. *Statistics in Medicine* 2009; 28: 1725-38 PMID:19347843
144. *Cain LE, Cole SR, Greenland S, Brown TT, Chmiel JS, Kingsley L, Detels R. Effect of highly active antiretroviral therapy on incident AIDS using calendar period as an instrumental variable. *American Journal of Epidemiology* 2009; 169:1124-32 PMID: 19318615
145. *Shiels MS, Cole SR, Kirk GD, Poole C. A meta-analysis of the incidence of non-AIDS cancers in HIV-infected individuals. *JAIDS* 2009; 52: 611-22. PMID: 19770804
146. Wang M-H, Shugart YY, Cole SR, Platz EA. A simulation study of control sampling methods in nested case-control studies of candidate genes and prostate cancer progression (with discussion). *Cancer, Epidemiology, Biomarkers and Prevention* 2009; 18: 706-11 PMID: 19258478
147. Sterne JAC, May M, Costagliola D, de Wolf F, Phillips A, Jönsson ML, Prins M, Gill J, Thiebaut R, Miró JM, Justice A, Smith C, Ledergerber B, Fatkenheuer G, Hogg R, D'Arminio Monforte A, Staszewski S, Saag M, Kitahata M, Harris R, Egger M, Cole SR. Timing of initiation of antiretroviral therapy in AIDS-free HIV-1 infected patients: a collaborative analysis of 18 HIV cohort studies (with discussion). *Lancet* 2009; 373;1352-6 PMID: 19361855
148. Palella FJ, Armon C, Buchacz K, Cole SR, Chmiel JA, Novak R, Wood K, Moorman AC, Brooks JT. Association of HIV susceptibility testing with survival among HIV-infected patients receiving antiretroviral therapy: a cohort study (with discussion). *Annals of Internal Medicine* 2009; 151: 73-84. PMID: 19620160

149. Taha T, Kumwenda J, Cole SR, Hoover DR, Kafulafula G, Fowler MG, Thigpen MC, Li Q, Mipando L, Nkanauanena K, Kumwenda NI, Mofenson L. Postnatal HIV-1 transmission after cessation of extended infant antiretroviral prophylaxis and effect of maternal HAART (with discussion). *Journal of Infectious Disease* 2009; 200: 1490-7. PMID: 19832114
150. Lesage SR, Mosley TH, Wong TY, Szklo M, Knopman DS, Catellier DJ, Cole SR, Coresh J, Coker LH, Sharrett AR. Retinal microvascular abnormalities and cognitive decline: the Atherosclerosis Risk in Communities 14 year follow-up study. *Neurology* 2009; 73: 862-8. PMID: 19752453
151. Hernán MA, Cole SR. Causal diagrams and measurement bias (with discussion). *American Journal of Epidemiology* 2009; 170: 959-62. PMID: 19755635
152. Platt R, Schisterman EF, Cole SR. Time modified confounding. *American Journal of Epidemiology* 2009; 170: 687-94. PMID: 19675141
153. Lau B, Cole SR, Gange S. Competing risk regression models for epidemiologic data. *American Journal of Epidemiology* 2009; 170: 244-56 PMID: 19494242
154. Schisterman EF, Cole SR, Platt R. Overadjustment and unnecessary adjustment in epidemiologic studies (with discussion). *Epidemiology* 2009; 20: 488-95 PMID: 19525685
155. Chu H, Cole SR, Wei Y, Ibrahim JG. Estimation and inference for case-control studies with multiple non-gold-standard exposure assessments: an occupational health application. *Biostatistics* 2009; 10: 591-602 PMID: 19515637
156. Chu H, Nie L, Cole SR, Poole C. Meta-analysis of diagnostic accuracy studies accounting for disease prevalence. *Statistics in Medicine* 2009; 28: 2384-99 PMID: 19499551
157. Cook RL, Zhu F, Belnap BH, Hum B, Weber K, Cohen M, Cook JA, Vlahov D, Wilson TE, Hessel NA, Plankey M, Howard AA, Cole SR, Sharp GB, Richardson JL. Longitudinal trends in hazardous alcohol consumption in women with HIV infection, 1995-2006. *American Journal of Epidemiology* 2009; 169: 1025-32 PMID: 19270052
158. Tien PC, Schneider MF, Cole SR, Cohen MH, Glesby MJ, Lazar J, Nowicki M, Young M, Kaplan RC. Association of hepatitis C virus and HIV infection with subclinical atherosclerosis in the Women's Interagency HIV Study. *AIDS* 2009; 24: 1781-4 PMID: 19553807
159. Hatt SR, Leske DA, Bradley EA, Cole SR, Holmes JM. Comparison of quality of life instruments in adults with strabismus. *American Journal of Ophthalmology*. 2009; 148: 558-62 PMID: 19570519

160. Womack J, Scherzer R, Cole SR, Fennie K, Williams AB, Grey M, Minkoff H, Anastos K, Cohen MH, Tien PC. Hormonal contraception and metabolic outcomes in women with or at risk for HIV infection. *JAIDS* 2009; 52: 581-7 PMID: 19950431
161. Wong CS, Pierce CB, Cole SR, Warady BA, Mak RHK, Benador NM, Kaskel F, Furth SL, Schwartz GJ. Association of proteinuria with race, cause of chronic kidney disease, and glomerular filtration rate in the Chronic Kidney Disease in Children Study (with discussion). *Clinical JASN* 2009; 4: 812-9 PMID: 19297612
162. Mugavero MJ, Lin HY, Allison JJ, Giodano TP, Willig JH, Raper JL, Wray NP, Cole SR, Schumacher JE, Davies S, Saag MS. Racial disparities in HIV virologic failure: do missed visits matter? *JAIDS* 2009; 50: 100-8 PMID: 19295340
163. Hatt SR, Leske DA, Bradley EA, Cole SR, Holmes JM. Development of a quality of life questionnaire for adults with strabismus. *Ophthalmology* 2009; 116: 139-44 PMID: 19019449
164. Cole SR, Hernán MA. Constructing inverse probability weights for marginal structural models. *American Journal of Epidemiology* 2008; 168:656-64 PMID: 18682488
165. López-Gatell H, Cole SR, Margolick JB, Witt MD, Martinson J, Phair J, Jacobson LP. Effect of tuberculosis on the survival of HIV-infected men. *AIDS* 2008; 22: 1869-73 PMID: 18753866
166. *Shiels MS, Cole SR, Wegner S, Armenian H, Chmiel J, Marconi V, Martinson J, Martinez-Maza O, Wortmann G, Whitman T, Jacobson LP, Crum-Cianflone NF. Effect of HAART on incident cancer and non-cancer AIDS events among male HIV seroconverters. *JAIDS* 2008; 48: 485-90 PMID: 18614916
167. *Nawar EW, Cole SR, Farzadegan H, Witt MD, Jenkins FJ, Margolick JB, Phair JP, Jacobson LP. Sexual activity and Kaposi's sarcoma among HIV-1 and HHV-8 co-infected men. *Annals of Epidemiology* 2008; 18: 572-81 PMID: 18504143
168. Tien PC, Schneider MF, Cole SR, Levine AM, Cohen M, DeHovitz J, Young M, Justman JE. Antiretroviral therapy exposure and insulin resistance in the Women's Interagency HIV Study. *JAIDS* 2008; 49: 369-76 PMID: 19186350
169. Robison LS, Westfall AO, Mugavero MJ, Kempf MC, Cole SR, Allison JJ, Willig JH, Raper JL, Wilcox CM, Saag MS. Short-term Discontinuation of HAART Regimens More Common in Vulnerable Patient Populations. *AIDS Res Hum Retroviruses* 2008; 24: 1347-55 PMID: 19032064

170. Holmes JM, Strauber S, Quinn GE, Cole SR, Felius J, Kulp M, for the Pediatric Eye Disease Investigator Group. Further validation of the amblyopia treatment index parental questionnaire. *Journal of the American Association of Pediatric Ophthalmology and Strabismus* 2008; 12: 581-4 PMID: 18976946
171. Klebanoff M, Cole SR. Use of multiple-imputation in the epidemiologic literature. *American Journal of Epidemiology* 2008; 168: 355-7 PMID: 18591202
172. Lau B, Cole SR, Gange SJ, Moore RD. Evaluating competing adverse and beneficial outcomes using a mixture model. *Statistics in Medicine* 2008; 27: 4313-27 PMID: 18416435
173. Flynn JY, Mitsnefes M, Pierce C, Cole SR, Parekh RS, Furth SL, Warady BA. Blood pressure in children with chronic kidney disease: Preliminary findings from the Chronic Kidney Disease in Children Cohort Study. *Hypertension* 2008. 52:631-7 PMID: 18725579
174. Sobieszcyk ME, Hoover DR, Anastos K, Mulligan K, Tan T, Shi Q, Gao W, Hyman C, Cohen MH, Cole SR, Plankey M, Levine AM, Justman J. Prevalence and predictors of metabolic syndrome among HIV-infected and HIV-uninfected women in the Women's Interagency HIV Study. *JAIDS* 2008; 48: 272-80 PMID: 18545157
175. Justman JE, Hoover DR, Shi Q, Tan T, Anastos K, Tien PC, Cole SR, Hyman C, Karim R, Weber K, Grinspoon S. Longitudinal anthropometric patterns among HIV-infected and HIV-uninfected women. *JAIDS* 2008; 47:312-9 PMID: 18197125
176. Fadrowski JJ, Pierce CB, Cole SR, Moxey-Mims MM, Warady BA, Schwartz GJ, Muñoz A, Furth SL. Anemia during early chronic kidney disease: preliminary results form the CKiD cohort study. *Clinical Journal of the American Society of Nephrology* 2008; 3: 457-62 PMID: 18235140
177. Cole SR, Chu H, Brookmeyer R. Confidence intervals for biomarker-based incidence estimates using prevalent data. *American Journal of Epidemiology* 2007; 165: 94-100 PMID: 17056640
178. Cole SR, Hernán MA, Anastos K, Jamieson BD, Robins JM. A marginal structural left-censored mean model for the effect of highly active antiretroviral therapy on changes in HIV-1 viral load. *American Journal of Epidemiology*; 2007; 166: 219-27 PMID: 17478436
179. López-Gatell H, Cole SR, Hessol N, French AL, Greenblatt RM, Landesman S, Preston-Martin S, Anastos K. Effect of tuberculosis on the survival of HIV-infected women. *American Journal of Epidemiology* 2007; 165: 1134-42 PMID: 17339383

180. Tien PC, Schneider MF, Cole SR, Levine A, Cohen M, de Hovitz M, Young M, Justman JE. Cumulative exposure to nucleoside analogs is associated with incidence of diabetes mellitus in the Women's Interagency HIV study. *AIDS* 2007; 21: 1739-45 PMID: 17690572
181. Tien PC, Schneider MF, Cole SR, Justman JE, French AL, Young M, DeHovitz J, Nathwani N, Brown TT. Relation of stavudine discontinuation with anthropometric changes among HIV-infected women. *JAIDS* 2007; 44: 43-8 PMID: 17091021
182. Tien PC, Barrón Y, Justman JE, Hyman C, Cohen MH, Young M, Kovacs A, Cole SR. Antiretroviral therapies associated with lipoatrophy in HIV-infected women. *AIDS Patient Care STDs* 2007; 21: 297-305 PMID: 17518522
183. Furth SL, Cole SR, Fadrowski JJ, Gerson A, Pierce CB, Chandra M, Weiss R, Kaskel F. The association of anemia and hypoalbuminemia with accelerated decline in GFR among adolescents with chronic kidney disease. *Pediatric Nephrology* 2007; 22: 265-71 PMID: 17120062
184. Anastos K, Lu D, Shi Q, Tien P, Kaplan R, Hessol N, Cole S, Vigen C, Cohen M, Young M, Justman J. Association of serum lipid levels with HIV serostatus, specific antiretroviral agents and treatment regimens. *JAIDS* 2007; 45: 34-42 PMID: 17460470
185. Cole SR, Chu H, Greenland S. Multiple imputation for measurement error correction (with discussion). *International Journal of Epidemiology* 2006; 35: 1074-81 PMID: 16709616
186. Cole SR, Chu H, Allison PD, Gange SJ. Combined analysis of retrospective and prospective occurrences in cohort studies: HIV-1 serostatus and incident pneumonia. *International Journal of Epidemiology* 2006; 35: 1442-6 PMID: 16936292
187. *Cain LE, Cole SR, Chmiel JS, Margolick JB, Rinaldo CR, Detels R. Effect of highly active antiretroviral therapy on multiple AIDS defining illnesses among male HIV seroconverters. *American Journal of Epidemiology* 2006; 163: 310-5 PMID: 16371516
188. Sutcliffe S, Zenilman JM, Ghanem KG, Jadack RA, Sokoll LJ, Elliott DJ, Nelson WG, De Marzo AM, Cole SR, Isaacs WB, Platz EA. Sexually transmitted infections and prostatic inflammation/cell damage as measured by serum prostate specific antigen concentration. *Journal of Urology* 2006; 175: 1937-42 PMID: 16600802
189. Chu H, Nie L, Cole SR. Sample size and statistical power assessing the effect of interventions in the context of mixture distributions with detection limits. *Statistics in Medicine* 2006; 25: 2647-57 PMID: 16456897
190. Chu H, Wang Z, Cole SR, Greenland S. Sensitivity analysis of misclassification: A graphical and a Bayesian approach. *Annals of Epidemiology* 2006; 16: 834-41 PMID: 16843678

191. Chu H, Cole SR. Estimating incidence using prevalent data in high risk groups with missing data. *Biometrical Journal* 2006; 48: 772-9 PMID: 17094342
192. Schwartz GJ, Furth SL, Cole SR, Moxey-Mims MM, Warady B, Muñoz A. Glomerular filtration rate determined by Iohexol disappearance from the blood: pilot study for a nation-wide cohort study of chronic kidney disease in children. *Kidney International* 2006; 69: 2070-7 PMID: 16612328
193. Kubzansky LD, Cole SR, Kawachi I, Vokonas P, Sparrow D. Shared and unique contributions of anger, anxiety, and depression to coronary heart disease: a prospective study in the Normative Aging Study. *Annals of Behavioral Medicine* 2006; 31: 21-9 PMID: 16472035
194. Fadrowski J, Cole SR, Hwang W, Fiorenza J, Gerson A, Furth SL. Changes in physical and psychosocial functioning among adolescents with chronic kidney disease. *Pediatric Nephrology* 2006; 21: 394-9 PMID: 16382317
195. Holmes JM, Leske DA, Cole SR, Chandler DL, Repka MX, and the Pediatric Eye Disease Investigator Group. A Symptom Survey and Quality of Life Questionnaire for Nasolacrimal Duct Obstruction in Children. *Ophthalmology* 2006; 113: 1675-80 PMID: 16828516
196. Nie L, Chu H, Cole SR. A general approach for sample size and statistical power calculations assessing the effects of interventions using a mixture model in the presence of detection limits. *Contemporary Clinical Trials* 2006; 27: 483-91 PMID: 16769254
197. Furth SL, Cole SR, Moxey-Mims M, Kaskel F, Mak R, Schwartz G, Wong C, Muñoz A, Warady B. Design and methods of the Chronic Kidney Disease in children (CKiD) prospective cohort study. *Clinical Journal of the American Society of Nephrology* 2006; 1: 1006-15 PMID: 17699320
198. Cole SR, Hernán MA, Margolick JB, Cohen MH, Robins JM. Marginal structural models for estimating the effect of highly active antiretroviral therapy initiation on CD4 cell count. *American Journal of Epidemiology* 2005; 162: 471-8 PMID: 16076835
199. Cole SR, Chu H. Effect of acyclovir on ocular herpes recurrence using a structural nested model. *Contemporary Clinical Trials* 2005; 26: 300-10 PMID: 15911464
200. Brown TT, Cole SR, Li X, Palella FJ, Riddler SA, Visscher B, Margolick JB, Dobs AS. Antiretroviral therapy and the prevalence and incidence of diabetes mellitus in the multicenter AIDS cohort study. *Archives of Internal Medicine* 2005; 165: 1179-84 PMID: 15911733

201. Brown TT, Li X, Cole SR, Kingsley LA, Palella FJ, Riddler SA, Chmiel JS, Visscher BR, Margolick JB, Dobs AS. Cumulative exposure to nucleoside analogue reverse transcriptase inhibitors is associated with insulin resistance markers in the Multicenter AIDS Cohort Study. *AIDS* 2005; 19: 1375-83 PMID: 16103768
202. Hernán MA, Cole SR, Margolick J, Cohen M, Robins JM. Structural accelerated failure time models for survival analysis in studies with time-varying treatments. *Pharmacoepidemiology and Drug Safety* 2005; 14: 477-91 PMID: 15660442
203. Wang CL, Vlahov D, Galai N, Cole SR, Bareta J, Pollini R, Mehta SH, Nelson KE, Galea S. The effect of HIV infection on overdose mortality. *AIDS* 2005; 19: 935-42 PMID: 15905674
204. Newschaffer CJ, Cole SR. Risk Factors for Autism: perinatal factors, parental psychiatric history and socioeconomic status. *American Journal of Epidemiology* 2005; 161: 926-8
205. Cole SR, Li R, Anastos K, Detels R, Young M, Chmiel JS, Muñoz A. Accounting for lead-time in cohort studies: evaluating when to initiate HIV therapies. *Statistics in Medicine* 2004; 23: 3351-63 PMID: 15493031
206. Cole SR, Allison PD, Ananth CV. Estimation of cumulative odds ratios. *Annals of Epidemiology* 2004; 14: 172-8 PMID: 15036220
207. Cole SR, Hernán MA. Adjusted survival curves with inverse probability weights. *Computer Methods and Programs in Biomedicine* 2004; 75: 45-9 PMID: 15158046
208. Chu H, Ren S, Cole SR. Sample size calculation for the mean in a two component nonstandard mixture distribution. *Biometrical Journal* 2004; 5: 565-71
209. Barron Y, Cole SR, Anastos K, Cohen MH, DeHovitz J, Delapenha R, Levine A, Gange SJ. Effect of discontinuing antiretroviral therapy on survival of HAART initiated women. *AIDS* 2004; 18: 1579-84 PMID: 15238776
210. Tien PC, Kovacs A, Bacchetti P, French AL, Augenbraun M, Cole SR, Hessel N, Justman J. Association of genital ulcer disease and recreational drug use with hepatitis B virus infection in the Women's Interagency HIV Study. *Clinical Infectious Diseases* 2004; 39: 1363-70 PMID: 15494914
211. Palella FA, Cole SR, Visscher B, Dobs A, Williams C. Anthropometrics and examiner- and self-reported body habitus changes in the Multicenter AIDS Cohort Study. *Clinical Infectious Diseases* 2004; 38: 903-7 PMID: 14999638

212. Pediatric Eye Disease Investigator Group (writing committee: Homes JM, Beck RW, Kraker RT, Astle WF, Birch EE, Cole SR, Cotter SA, Donahue S, Everett DF, Hertle RW, Keech RV, Paysse E, Quinn GE, Repka MX, Scheiman MM). Risk of amblyopia recurrence after cessation of treatment. *Journal of the American Association of Pediatric Ophthalmology and Strabismus* 2004; 8: 420-8 PMID: 15492733
213. Cole SR, Hernán MA, Robins JM, Anastos K, Chmiel J, Detels R, Ervin C, Feldman J, Greenblatt R, Kingsley L, Lai S, Young M, Cohen M, Muñoz A. Effect of highly active antiretroviral therapies on time to AIDS or death using marginal structural models. *American Journal of Epidemiology* 2003; 158: 687-94 PMID: 14507605
214. Riddler SA, Smit E, Cole SR, Li R, Chmiel J, Dobs A, Palella F, Visscher B, Evans R, Kingsley LA. Impact of HIV infection and HAART on serum lipids in men. *Journal of the American Medical Association* 2003; 289: 2978-82 PMID: 1279406
215. Tien P, Cole SR, Williams C, Li R, Justman J, Cohen MH, Young M, Rubin N, Augenbraun M, Grunfeld C. Incidence of lipoatrophy and lipohypertrophy in the Women's Interagency HIV Study. *JAIDS* 2003; 34: 461-6 PMID: 14657755
216. Pediatric Eye Disease Investigator Group (writing committee: Holmes JM, Beck RW, Kraker R, Cole SR, Repka MA, Birch EE, Felius J, Christiansen SP, Coats DK, Kulp MT). Impact of patching and atropine treatment on the child and family in the Amblyopia Treatment Study. *Archives of Ophthalmology* 2003; 121:1625-32 PMID: 14609923
217. Pediatric Eye Disease Investigator Group (writing committee: Repka MX, Beck RW, Kraker RT, Holmes JM, Birch EE, Cole SR, Summers CG, Wheeler DT, Havertape SA, Tampkins SM). A comparison of atropine and patching treatments for moderate amblyopia by patient age, cause of amblyopia, depth of amblyopia, and other factors. *Ophthalmology* 2003; 110: 1632-8 PMID: 12917184
218. Cole SR, Hernán MA. Fallibility in estimating direct effects (with discussion). *International Journal of Epidemiology* 2002; 31: 163-5 PMID: 11914314
219. Cook NR, Cole SR, Hennekens CH. Use of a marginal structural model to determine the effect of aspirin on cardiovascular mortality in the Physicians' Health Study. *American Journal of Epidemiology* 2002; 155:1045-53 PMID: 12034583
220. Blair RC, Cole SR. Two-sided equivalence testing of the difference between two means. *Journal of Modern Applied Statistical Methods* 2002; 1: 139-42
221. Beck RW, Chandler DL, Cole SR, Simon JH, Jacobs LD, Kinkel RP, Selhorst JB, Rose JW, Cooper JA, Rice G, Murray TJ, Sandrock AW. Interferon beta-1a for early Multiple Sclerosis: CHAMPS Trial subgroup analyses. *Annals of Neurology* 2002; 51: 481-90 PMID: 11921054

222. Pediatric Eye Disease Investigator Group (writing committee: Wright KW, Kraker R, Beck RW, Holmes JM, Repka MX, Birch EE, Moke PS, Blair RC, Cole SR, Crouch ER, Ruttum MS, Ticho BH, Helveston EM). The clinical spectrum of early-onset esotropia: experience of the congenital esotropia observational study. *American Journal of Ophthalmology* 2002; 133: 102-8 PMID: 11755845
223. Pediatric Eye Disease Investigator Group (writing committee: Wright KW, Kraker R, Beck RW, Holmes JM, Repka MX, Birch EE, Moke PS, Blair RC, Cole SR, Crouch ER, Ruttum MS, Ticho BH, Helveston EM). Spontaneous resolution of early-onset esotropia: experience of the congenital esotropia observational study. *American Journal of Ophthalmology* 2002; 133: 109-18 PMID: 11755846
224. Pediatric Eye Disease Investigator Group (writing committee: Beck RW, Birch EE, Cole SR, Everett DF, Hertle RW, Holmes JM, Kraker RT, Repka MX). A randomized trial of atropine vs patching for treatment of moderate amblyopia in children (with discussion). *Archives of Ophthalmology* 2002; 120: 268-78 PMID: 11879129
225. Pediatric Eye Disease Investigator Group (writing committee: Repka MX, Beck RW, Kraker RT, Cole SR, Holmes JM, Birch EE, Tien R, Astle WF, Cotter SA). The clinical profile of moderate amblyopia in children younger than 7 years. *Archives of Ophthalmology* 2002; 120: 281-7 PMID: 11879130
226. CHAMPS Study Group (writing committee: Beck RW, Chandler DL, Cole SR, Eggenberger E, Jacobs L, Kinkel RP, Murray TJ, Rolak L, Rosenberg J, Sandrock A, Simon J, Simonian N). Baseline MRI characteristics of patients at high risk for multiple sclerosis: results from the CHAMPS trial. *Multiple Sclerosis* 2002; 8: 330-8 PMID: 12166504
227. CHAMPS Study Group (writing committee: Beck RW, Chandler DL, Cole SR, Jacobs L, Kinkel RP, Murray P, O'Connor P, Sandrock A, Scott T, Simon J). Predictors of short-term disease activity following a first clinical demyelinating event: analysis of the CHAMPS placebo group. *Multiple Sclerosis* 2002; 8: 405-9 PMID: 12356207
228. CHAMPS Study Group (writing committee: Beck RW, Chandler DL, Cole SR, Kinkel RP, Jacobs L, Sandrock A, Simon J). MRI predictors of early conversion to clinically definite MS in the Champs placebo group. *Neurology* 2002; 59: 998-1005 PMID: 12370452
229. Cole SR, Ananth CV. Regression models for unconstrained, partially or fully constrained continuation odds ratios. *International Journal of Epidemiology* 2001; 30: 1379-82 PMID: 11821350
230. Cole SR, Kawachi I, Liu S, Gaziano JM, Manson JE, Buring JE, Hennekens CH. Time urgency and risk of nonfatal myocardial infarction (with discussion). *International Journal of Epidemiology* 2001; 30: 363-9 PMID: 11369743

231. Cole SR. Analysis of complex survey data using SAS. *Computer Methods and Programs in Biomedicine* 2001; 64: 65-9 PMID: 11084234
232. Cole SR, Beck RW, Moke PS, Celano MP, Drews CD, Repka MA, Holmes JM, Birch EE, Kraker R, Kip KE. The Amblyopia Treatment Index. *Journal of the American Association of Pediatric Ophthalmology and Strabismus* 2001; 5: 250-4
233. CHAMPS Study Group (writing committee: Beck RW, Chandler DL, Cole SR, Felton W, Galetta S, Jacobs L, Kinkel RP, Kupersmith M, Murray TJ, Newman N, Sandrock A, Simon J, Simonian N). Interferon β -1a for Optic Neuritis patients at high risk for Multiple Sclerosis. *American Journal of Ophthalmology* 2001; 132: 463-71 PMID: 11589865
234. Liu S, Lee IM, Ajani U, Cole SR, Buring JE, Manson JE. Intake of vegetables rich in carotenoids and risk of coronary heart disease in men: results from the Physicians' Health Study (with discussion). *International Journal of Epidemiology* 2001; 30: 130-5 PMID: 11171873
235. Kip KE, Cohen F, Cole SR, Wilhelmus KR, Patrick DL, Blair RC, Beck RW, for the Herpetic Eye Disease Study Group. Recall bias in a prospective cohort study of acute time-varying exposures: Example from the Herpetic Eye Disease Study. *Journal of Clinical Epidemiology* 2001; 54: 482-7 PMID: 11337211
236. Cole SR, Kawachi I, Maller SJ, Berkman LF. Test of item-response bias in the CES-D scale: Experience from the New Haven EPESE study. *Journal of Clinical Epidemiology* 2000; 53: 285-9 PMID: 10760639
237. Cole SR, Beck RW, Moke PS, Gal R, Long DL, and the Optic Neuritis Study Group. The National Eye Institute Visual Function Questionnaire: experience of the ONTT. *Investigative Ophthalmology & Visual Science* 2000; 41: 1017-21 PMID: 10752936
238. Herpetic Eye Disease Study Group (writing committee: Cohen F, Cole SR, Beck RW, Blair RC, Moke PS, Kip KE, Wilhelmus KR, Dawson CR, Barron BA, Jones DB, Kaufman HE, Stulting D, Sugar J, Cohen EJ, Hyndiuk RA, Asbell PA, Kurinij N). Psychological stress and other potential triggers for recurrences of herpes simplex virus eye infections (with discussion). *Archives of Ophthalmology* 2000; 118: 1617-1625 PMID: 11115255
239. Liu S, Manson JE, Lee IM, Cole SR, Hennekens CH, Willett W, Buring JE. Fruit and vegetable intake and risk of cardiovascular disease: the Women's Health Study (with discussion). *American Journal of Clinical Nutrition* 2000; 72: 922-928 PMID: 11010932
240. Hauser SL, Oksenberg JR, Lincoln R, Garovoy J, Beck RW, Cole SR, Moke PS, Kip KE, Gal RL, and the Optic Neuritis Study Group. Interaction between HLA-DR2 and abnormal brain MRI in optic neuritis and early MS. *Neurology* 2000; 54: 1859-1861 PMID: 10802800

241. Cole SR, Kawachi I, Sesso HD, Paffenbarger RS, Lee IM. Sense of exhaustion and coronary heart disease: A prospective study among alumni. *American Journal of Cardiology* 1999; 84; 12: 1401-1405 PMID: 10606112
242. Cole SR. Simple bootstrap statistical inference using the SAS system. *Computer Methods and Programs in Biomedicine* 1999; 60: 79-82 PMID: 10430465
243. Cole SR. Assessment of differential item functioning in the Perceived Stress Scale-10. *Journal of Epidemiology and Community Health* 1999; 53: 319-320 PMID: 10396541
244. Schwartz S, Anderson WM, Cole SR, Cornoni-Huntley J, Hays JC, Blazer D. Insomnia and heart disease: A review of epidemiologic studies. *Journal of Psychosomatic Research* 1999; 47: 313-333 PMID: 10616226
245. Cole SR, Beck RW, Moke PS, Kaufman DI, Tourtellotte WW, for the Optic Neuritis Study Group. The predictive value of CSF oligoclonal banding for MS 5-years after optic neuritis. *Neurology* 1998; 51: 885-887 PMID: 9748050
246. Schwartz S, Cornoni-Huntley J, Cole SR, Hays JC, Blazer DG, Schocken DD. Are sleep complaints an independent risk factor for myocardial infarction? *Annals of Epidemiology* 1998; 8: 384-392 PMID: 9708874
247. Bryant C, Kent EB, Lindenberger J, Schreihner JM, Canright MW, Cole S, Uccellani V, Brown CA, Blair RC, Bustillo-Hernandez MM. Increasing consumer satisfaction: One social service and public health initiative show how social marketing can increase consumer satisfaction. *Mark Health Serv* 1998; 18: 4-17 PMID: 10339085
248. Cole SR, Bryant CA, McDermott RJ, Sorrell C, Flynn M. Beliefs and mammography screening. *American Journal of Preventive Medicine* 1997; 13: 439-443 PMID: 9415789

Publications, non-peer-reviewed

1. De Stavola B, Cole SR. Editorial: The evolving practice of epidemiology. *American Journal of Epidemiology* 2014; 179: 1-3 PMID: 24280237
2. Hudgens MJ, Cole SR. HIV antiretroviral prophylaxis for injection drug users. *Lancet* 2013; 382: 853 PMID: 24012261
3. Platt RW, Brookhart MA, Cole SR, Westreich D, Schisterman EF. Reply to Taguri and Matsuyama. *Statistics in Medicine* 2013; 32: 3592-3 PMID: 23943550

4. Richardson DB, Wing S, Cole SR. Reply to: Ozasa et al. *American Journal of Epidemiology* 2013; 177: 574-575 PMID: 23429721
5. Cole SR, Chu H, Greenland S, Hamra G, Richardson DB. Reply to: Lost in estimation. *American Journal of Epidemiology* 2012; 175: 379-380 PMID: 22306560
6. *Naimi AI, Cole SR, Westreich DJ, Richardson DB. Reply Re: A comparison of methods to estimate the hazard ratio with time varying confounding and nonpositivity. *Epidemiology* 2012; 23: 179 PMID: 22157318
7. Nandi A, Cole SR, Mehta SH. Three Authors Reply Re: Neighborhood poverty and injection cessation in a sample of injection drug users. *American Journal of Epidemiology* 2010; 172: 863-864 PMID: 20093307
8. Lash TL, Fox MP, Greenland S, Jurek AM, Hoggatt KJ, Cole SR, Maldonado G, Brooks D, Rothman KJ, Poole C. Re: Promoting healthy skepticism in the news: helping journalists get it right. *Journal of the National Cancer Institute* 2010; 102: 829-830 PMID: 20421568
9. *Howe CJ, Cole SR. Applying quantitative bias analysis to epidemiologic data. *American Journal of Epidemiology* 2009; 170: 1316-1317
10. Lash TL, Cole SR. Immortal person-time in studies of cancer outcomes. *Journal of Clinical Oncology* 2009; 27: 55-56 PMID: 19597013
11. Chu H, Cole SR. Sample size calculation using exact methods in diagnostic test studies. *Journal of Clinical Epidemiology* 2007; 60: 1201-1202 PMID: 17938064
12. Cole SR, Chu H. Re: "Confidence intervals for biomarker-based HIV incidence estimates and differences using prevalent data". *American Journal of Epidemiology* 2007; 166: 861-862 PMID: 17709327
13. *Cain LE, Cole SR. Re: "Survival analysis for recurrent event data: an application to childhood infectious diseases". *Statistics in Medicine* 2006; 25: 1431-1433 PMID: 16572384
14. Chu H, Cole SR. Bivariate meta-analysis of sensitivity and specificity with sparse data: a generalized linear mixed model approach. *Journal of Clinical Epidemiology* 2006; 59:1331-1332 PMID: 17098577
15. Cole SR, Mehta S, Szklo M. What happens to your manuscript: characteristics of papers published in volumes 163 and 164 of the *American Journal of Epidemiology*. *American Journal of Epidemiology*; 2006; 164: 1251-1252

16. Brown TT, Cole SR, Li X. Re: Comment on “Incidence of diabetes and pre-diabetes in the Multicenter AIDS Cohort Study”. *Archives of Internal Medicine* 2005; 165: 2537 PMID: 16314552
17. Cole SR, Szklo M. What happens to your manuscript: characteristics of papers published in volumes 161 and 162 of the *American Journal of Epidemiology*. *American Journal of Epidemiology* 2005; 162: 1235-1236
18. Cole SR, Szklo M. What happens to your manuscript: characteristics of papers published in volume 160 of the *American Journal of Epidemiology*. *American Journal of Epidemiology* 2004; 160: 1234-1236 PMID: 15583376
19. Dominici F, Cole SR, Spiegelman D. Methodological contributions to the *American Journal of Epidemiology*. *American Journal of Epidemiology* 2004; 160: 197-198
20. *Choi T, Cole SR. A family of ordered logistic regression models fit by data expansion. *International Journal of Epidemiology* 2004; 33: 1413 PMID: 15465895
21. López-Gatell H, Cole SR. *Epidemiologic Methods* book review. *American Journal of Epidemiology* 2004; 159: 1106
22. Mulla ZD, Cole SR. Re: “Epidemiology of salmonellosis in California, 1990-1999: morbidity, mortality, and hospitalization costs”. *American Journal of Epidemiology* 2004; 159: 104 PMID: 14693999
23. Gange SJ, Cole SR. *Epidemiologic analysis* book review. *American Journal of Epidemiology* 2002; 155: 485-486
24. Cole SR. A reanalysis of data from “Regression models for ordinal responses”. *International Journal of Epidemiology* 1999; 28: 805 PMID: 10480716
25. Cole SR, Blair RC. Overlapping confidence intervals. *Journal of the American Academy of Dermatology* 1999; 41: 1051-1052 PMID: 10570407
26. Cole SR. *Methods in Observational Epidemiology* book review. *American Journal of Preventive Medicine* 1997; 13: 331
27. Cole SR. Atheoretical science: A response to the poverty of Popperian epidemiology. *International Journal of Epidemiology* 1996; 25: 899-900 PMID: 8921473

Predoctoral Trainees Table

Past / Current Trainee	Trainee Name (Where Training Occurred)	Training Period (Degree)	Prior Academic Degree Institution(s)	Prior Academic Degree(s)	Prior Academic Degree Year(s)	Title of Research Project	Current Position of Past Trainees / Source of Support of Current Trainees
Past	Choi, Tou (Hopkins)	7/01-6/03 (MS)	NA	MBBS	NA	Estimation of ordered odds ratios by data expansion	Research Assistant Fred Hutchinson Cancer Research Institute
Past	Lopez-Gatell, Hugo (Hopkins)	7/03-6/07 (PhD)	Autonomous University of Mexico	MD	NA	Effect of tuberculosis on HIV progression	Director General for Epidemiology Mexican Ministry of Health
Past	Nawar, Eric (Hopkins)	7/02-6/04 (MS)	NA	BS	NA	Homosexual sexual activity and Kaposi's sarcoma among HIV-1 and HHV-8 co-infected men	ScD program Tulane U
Past	Cain, Lauren (Hopkins)	7/03-6/08 (PhD)	Princeton	AB	NA	Effect of HAART on repeated AIDS-defining illnesses: Structural models to bridge observational and randomized evidence	Research Associate, Harvard
Past	Shiels, Meredith (Hopkins)	7/06-6/09 (PhD)	Penn State	BS	NA	Ascertainment and incidence of AIDS-defining and non-AIDS-defining cancers in a population of HIV-infected men	Scientist NCI
Past	Belenky, Nadya M.	8/09-	Stanford	BA	2007	MSPH: Depressive	Current PhD

		12/12 (MSPH)	Univ.			symptoms, stigma and HIV viral load in Tanzania	student: Research Assistantship Teaching Assistantship
Past	Fangman, Mary T.	8/10-5/12 (MSPH)	Univ. of Missouri	BS	2010	MSPH: Breastfeeding and age at diagnosis of Type I diabetes mellitus	Senior Research Associate Univ. of Kansas Medical Center Preventive Medicine and Public health Kansas City, KS
Past	Edwards, Jessie	1/11-5/13 (PhD)	UNC-Chapel Hill	MSPH	2010	PhD: Methods to account for outcome misclassification in epidemiology	Research Assistant Professor Dept. of Epidemiology Chapel Hill, NC
Past	Gill, Karminder S.	8/03-12/10 (PhD)	UNC-Chapel Hill	MSPH	1994	PhD: Correcting for non-adherence in a randomized study of hip protectors to prevent fractures	Epidemiologist Amgen, Inc. Chapel Hill, NC
Past	Ludema, Christina	8/07-5/13 (PhD)	Calvin College	BS	2006	MSPH: Meta-analysis of trials on the association of prophylactic Acyclovir with HIV-1 viral load among individuals co-infected with HSV-2 PhD: Causes and treatment of Herpes	Assistant Professor Indiana University Bloomington School of Public Health

						Simplex virus recurrences	
Past	Naimi, Ashley	8/08-12/12 (PhD)	Univ. of Montreal	MPH	2008	PhD: Causal inference in occupational epidemiology: Asbestos, lung cancer mortality, and the healthy worker survivor	Assistant Professor, Epidemiology, University of Pittsburgh, PA
Past	O'Brien, Katie M.	8/10-5/13 (PhD)	Williams College	MSPH	2010	PhD: Race and subtype differences in the replication of previously identified breast cancer susceptibility loci: A Bayesian Approach	Postdoctoral Fellow NIEHS Research Triangle Park, NC
Past	Sander, Petra M.	1/07-8/11 (PhD)	UNC-Chapel Hill	MSPH	2008	PhD: Alcohol consumption and HIV seroconversion in men who have sex with men	Unknown, formerly: Postdoctoral Fellow Epidemiology Harvard Boston, MA
Past	Lesko, Catherine	8/11-5/15 (PhD)	Emory Univ.	MPH	2006	PhD: The population level impact of HIV treatment in the test-and-treat era	Research Associate, Epidemiology, Johns Hopkins University
Past	Todd, Jonathan	1/12-12/15 (PhD)	UNC-Chapel Hill	MSPH	2011	PhD: Statin use among HIV+ women	Postdoctoral Fellow School of Medicine University of North Carolina Chapel Hill, NC

Current	Lee, Jennifer	8/13-present	Johns Hopkins	MSPH	2011	PhD: Under development	Current PhD student: STI training grant
Current	Rudolph, Jacqueline	8/14-present	UNC-Chapel Hill	BA	2013	MSPH/PhD: Under development	Current MSPH/PhD student: environmental epidemiology training grant
Current	Willis, Sarah	8/15-present				PhD: HCV coinfection and HIV progression	Current PhD student: Research Assistantship
Current	Yin, Dwight	8/15-present		MD, MPH		PhD: Accounting for Adherence in Comparisons of Pediatric Antiretroviral Therapy	Current PhD student and Assistant Professor of Pediatrics, University of Missouri-Kansas City School of Medicine
Current	Lu, Haidong	8/16-present	Johns Hopkins	MSPH	2015	PhD: TBA	Current PhD student: Research Assistantship
Current	Breger, Tiffany	8/16-present	UC Berkeley	BS	2014	PhD: TBA	Current PhD student: Research Assistantship

Postdoctoral Trainees Table

Past/Current Trainee	Trainee Name (Where Training Occurred)	Postdoc Research Training Period	Prior Academic Degree(s)	Prior Academic Degree Year(s)	Prior Academic Degree Institution(s)	Title of Research Project	Current Position of Past Trainees/ Source of Support of Current Trainees
Past	Howe, Chanelle	6/09-7/11 (non-degree)	PhD	2009	Johns Hopkins University	Structural models and direct and indirect effects of alcohol use on HIV infection	Assistant Professor Brown University Public Health-Epidemiology Providence, RI
Past	Westreich, Daniel	2/10-9/10 (non-degree)	PhD	2008	UNC-Chapel Hill	HIV, antiretroviral therapy, and tuberculosis: Outcomes in Johannesburg, South Africa	Associate Professor of Epidemiology UNC-Chapel Hill Chapel Hill, NC
Past	Edwards, Jessie	6/13-6/15 (non-degree)	PhD	2013	UNC-Chapel Hill, NC	Applications and extensions of quantitative methods for the analysis of complex longitudinal cohort data	Research Assistant Professor of Epidemiology UNC-Chapel Hill Chapel Hill, NC