

# SVETLANA K. EDEN

Vanderbilt University School of Medicine  
Department of Biostatistics  
S-2323 Medical Center North  
Nashville, Tennessee 37232-2158  
615-343-7014 (w) Svetlana.Eden@vanderbilt.edu

---

## EDUCATION

- Master of Science, Applied Mathematics** 05/1992  
Department of Mathematical Statistics  
Moscow State University, Moscow, Russia. Thesis: *Numerical Solution and Application of a Stochastic Equation System with Time Dependent Coefficients to estimate an optimal number of ambulance vehicles for the emergency department use*
- Master of Science, Economics** 05/1998  
Department of Economics, University of Haifa and Technion, Haifa, Israel. Thesis: *Simulation of the Sequential Trade Model*
- Associate Degree in Computer Science** 05/2003  
Department of Computer Science, University of Haifa, Haifa, Israel
- 

## EXPERIENCE

- Biostatistician III** 01/2007 - Present  
Department of Biostatistics, Vanderbilt University Medical Center
- Biostatistician II** 01/2004 - 01/2007  
Department of Biostatistics, Vanderbilt University Medical Center
- Software Engineer**, Camelot Ltd., Haifa, Israel 01/2000 - 11/2001
- Software Engineer**, Avionitek Ltd., Haifa, Israel 09/1999 - 01/2001
- Software Engineer** 09/1992 - 01/1994  
Department of Mathematical Statistics, Moscow State University, Moscow, Russia
- 

## PROJECTS

- Providing statistical summaries and developing visual summary tools for independent data monitoring committee of clinical trial REDUCE, a randomized, double-blind, placebo-controlled, parallel group study of the efficacy

and safety of dutasteride 0.5mg administered orally once daily for four years to reduce the risk of biopsy-detectable prostate cancer. 01/2004-01/2009

- Providing statistical summaries for independent data monitoring committee of clinical trial PICOLO, Platelet Aggregation Inhibition in Children on Clopidogrel 06/2004 - 05/2008

## PUBLICATIONS

- Shintani AK, Girard TD, Eden SK, Arbogast PG, Moons KG, Ely EW. Immortal time bias in critical care research: application of time-varying Cox regression for observational cohort studies. *Critical Care Medicine*. 2009 Nov;37(11):2939-45. PMID: 19770737
- Schnipper JL, Roumie CL, Cawthon C, Businger A, Dalal AK, Mugalla I, Eden S, Jacobson TA, Rask KJ, Vaccarino V, Gandhi TK, Bates DW, Johnson DC, Labonville S, Gregory D, Kripalani S; PILL-CVD Study Group. Rationale and design of the Pharmacist Intervention for Low Literacy in Cardiovascular Disease (PILL-CVD) study. *Circulation. Cardiovascular Quality and Outcomes*. 2010 Mar;3(2):212-9. PMID: 20233982
- Han JH, Shintani AK, Eden SK, Morandi A, Solberg LM, Schnelle J, Dittus RS, Storrow AB, Wesley EE. Delirium in the Emergency Department: An Independent Predictor of Death Within 6 Months. *Annals of Emergency Medicine*. 2010 Sep;56(3):244-252. PMID: 20363527
- Cavanaugh KL, Wingard RL, Hakim RM, Eden SK, Shintani AK, Wallston KA, Huizinga MM, Elasy TA, Rothman RL, Ikizler AT. Low Health Literacy Associates with Increased Mortality in ESRD, *JASN* 2010 Nov;21(11):1979-85. PMID: 20671215
- Smith HA, Boyd J, Fuchs DC, Melvin K, Berry P, Shintani A, Eden SK, Terrell MK, Boswell T, Wolfram K, Sopfe J, Barr FE, Pandharipande PP, Ely EW. Diagnosing delirium in critically ill children: Validity and reliability of the Pediatric Confusion Assessment Method for the Intensive Care Unit. *Critical Care Medicine*. 2011 Jan;39(1):150-7. PMID: 20959783
- Marvanova M, Roumie CL, Eden SK, Cawthon C, Schnipper JL, Sunil Kripalani S. Health Literacy and Medication Understanding Among Hospitalized Adults. *Journal of Hospital Medicine* 2011 Nov; 6(9): 488493. PMID: 22139905
- Wright JAN, Wallston KA, Eden SK, Shintani AK, Ikizler1 TA, Cavanaugh KL. Associations among perceived and objective disease knowledge and satisfaction with physician communication in patients with chronic kidney disease, *Kidney International* 2011 Dec;80(12):1344-51. PMID: 21832984
- Siew ED, Peterson JF, Eden SK, Hung AM, Speroff T, Ikizler TA, Matheny ME. Outpatient Nephrology Referral Rates after Acute Kidney Injury, *JASN* 2012 Feb;23(2):305-12. PMID: 22158435

- Devasia R, Blackman A, Eden S, Li H, Maruri F, Shintani A, Alexander C, Kaiga A, Stratton CW, Warkentin J, Tang YW, Sterling TR. High proportion of fluoroquinolone-resistant Mycobacterium tuberculosis isolates with novel gyrase polymorphisms and a gyrA region associated with fluoroquinolone susceptibility. *Journal of Clinical Microbiology*. 2012 Apr;50(4):1390-6. PMID: 22189117
- Griffith ML, Boord JB, Eden SK, Matheny ME. Clinical inertia of discharge planning among patients with poorly controlled diabetes mellitus. *The Journal of Clinical Endocrinology and Metabolism*. 2012 Jun;97(6):2019-26. PMID: 22466346
- Kripalani S, Roumie CL, Dalal AK, Cawthon C, Businger A, Eden SK, Shintani A, Sponsler KC, Harris LJ, Theobald C, Huang RL, Scheurer D, Hunt S, Jacobson TA, Rask KJ, Vaccarino V, Gandhi TK, Bates DW, Williams MV, Schnipper JL; PILL-CVD (Pharmacist Intervention for Low Literacy in Cardiovascular Disease) Study Group. Effect of a pharmacist intervention on clinically important medication errors after hospital discharge: a randomized trial. *Annals of Internal Medicine* 2012 Jul 3;157(1):1-10 PMID: 22751755
- Wester CW, Eden SK, Shepherd BE, Bussmann H, Novitsky V, Samuels DC, Hendrickson SL, Winkler CA, O'Brien SJ, Essex M, D'Aquila RT, DeGruttola V, Marlink RG. Risk factors for symptomatic hyperlactatemia and lactic acidosis among combination antiretroviral therapy-treated adults in Botswana: results from a clinical trial. *AIDS Research and Human Retroviruses* 2012 Aug;28(8):759-65. PMID: 22540188
- Siew ED, Peterson JF, Eden SK, Moons KG, Ikizler TA, Matheny ME. Use of Multiple Imputation Method to Improve Estimation of Missing Baseline Serum Creatinine in Acute Kidney Injury Research. *CJASN* 2013 Jan;8(1):10-18. PMID: 23037980
- Wright NJ, Greene JH, Wallston K, Eden S, Shintani A, Elasy T, Rothman RL, Ikizler TA, Cavanaugh KL. Pilot Study of a Physician-Delivered Education Tool to Increase Patient Knowledge About CKD. *American Journal of Kidney Disease* 2013 Jul;62(1):23-32. PMID: 23540261

---

## ACADEMIC HONORS

Scholarship for excellent academic performance University of Moscow	09/1987 - 05/1992
Fellowship for excellent academic performance University of Haifa	09/1997 - 05/1999

**AWARDS** Excellence award by Department of Economics, Haifa University 09/1997  
 Third Place Award for the Data Exposition Poster Competition at the 2006 JSM  
 Joint Statistical Meetings of American Statistical Association sponsored by the  
 section on Statistical Graphics, Section on Statistical Computing and Section on  
 Statistics and the Environment 08/2006

**TEACHING** Teaching assistant, Microeconomics 09/1998 - 12/1998  
 Department of Economics, University of Haifa, Haifa, Israel  
 Teaching assistant, Microeconomics 09/1999 - 12/1999  
 Department of Economics, University of Haifa, Haifa, Israel  
 Teaching assistant, Introduction to Statistical Computing 09/2012 - 12/2012  
 Department of Biostatistics, Vanderbilt University Medical School

## PRESENTATIONS

- Continuing Education Workshop: *Using library chron to create date objects in R* 12/2005
- Continuing Education Workshop: *Introduction in string matching and manipulation in R using regular expressions* 01/2007
- Department Seminar: *Efficiency tips for basic R loops* 05/2011
- Journal Club: *Using "apply" functions in R* 06/2012

## INTRAMURAL ACTIVITIES

- Team leader of CQI project on Improving Communication Skills 12/2005-08/2006  
 Department of Biostatistics, Vanderbilt University
- Session leader of weekly workshop on Improving Communication Skills 12/2005-08/2006  
 Department of Biostatistics, Vanderbilt University
- Co-leader of weekly Writing Skills Clinic 08/2006-12/2008  
 Department of Biostatistics, Vanderbilt University
- Organized a three-day seminar on Effective Scientific Writing 06/2010  
 Invited speaker Judith A. Swan, Ph.D. Oversaw all aspects of the seminar including fundrasing, curriculum, and scheduling. The seminar was jointly

sponsored by the Departments of Biostatistics, Biomedical Research Education and Training, Continuing Medical Education, Clinical Translational Scientist Development, and the Vanderbilt Writing Studio.

## COMPUTER SKILLS

- Operating systems: Linux, Windows
  - Statistical software and programming languages: proficient in R; basic skills in SAS
  - Reproducible reporting tools: Sweave, Knitr, LaTeX
  - Other tools: programming language PYTHON, C, C++
- 

Last updated on

November 8, 2013