

Curriculum Vitae

EKATERINA (KATIA) NOYES, PhD, MPH

Current Position Associate Professor (2007-current)

Department of Community and Preventive Medicine
University of Rochester, Rochester, NY
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Rochester, NY
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Education

Master of Public Health in Clinical Investigation (MPH-CI), 2002
University of Rochester

Doctor of Philosophy (PhD), Biophysics/Neuroscience, 2000, University of Rochester

Master of Science (M.S.), Biophysics, 1997, University of Rochester

Bachelor of Science (B.S.), Biomedical Optics, *with honors*, 1995
Middlebury College, Middlebury, VT/Saratov State University, Saratov, Russia.

Special Training

- Dean's Teaching Fellowship, University of Rochester School of Medicine and Dentistry, 2007-2009
- Mind, Brain, and Body. 2Y University of Rochester School of Medicine and Dentistry course on psychopathology and therapeutics. Fall 2005.
- Advanced Modeling Methods for Economic Evaluation, University of Oxford/University of York/McMaster University, Toronto, May 2005.
- Reducing Bias in Observational Studies: Propensity Methods, Short Course, Society for Medical Decision Making Annual Meeting, October 2003
- Probabilistic Cost-Effectiveness Modeling, Short Course, Society for Medical Decision Making Annual Meeting, October 2003.
- Certificate in Clinical Research, Rochester Clinical Research Curriculum, University of Rochester, 2000-2002.
- RecDAC training: Medicare Current Beneficiary Survey, University of Minnesota, August 2001.
- Prospective Evaluation of Clinical Economic Trials: Short Course, Society for Medical Decision Making Annual Meeting, October 2001.

Relevant Experience

06-08/2002 Health Care Consultant, Harris Interactive, Rochester/New York City, NY

01-05/2002 Research Assistant, Excellus Health Plan, Rochester, NY

Katia Noyes

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- 2000 - 2002 Postdoctoral AHRQ/NSRA Fellow, Department of Community and Preventive Medicine, University of Rochester, Rochester, NY
- 1997-1999 Teaching Assistant, Department of Mathematics, University of Rochester.
- 1994-1995 Research Scholar, Russian Presidential Scholarship, Department of Physics, Middlebury College, VT
- 1992-1994 Research Assistant, Department of Optics, Saratov State University, Russia.

Research and Teaching Interests

Research:

- *Quality of Life* assessment in healthcare and medical practice, a co-PI on the study examining quality of life of patients with implantable cardiac defibrillators
- *Economic and Cost-Effectiveness* evaluation of health policies and interventions, clinical and pharmaceutical practices, and medical technology
- Analysis of patterns of *health services utilization*, in particular in application to Medicare beneficiaries with Parkinson's disease
- *Quality of medical care* and use of risk adjustment methodology for comparing health services providers and assessing their performance over time

Teaching:

Graduate School

- PM 484 Cost Effectiveness Research
- PM 422 Quality of Care and Risk Adjustment
- PM 482 Clinical Evaluation and Outcomes Research (Guest lecturer)
- PM 421 Introduction to the U.S. Health Care System (Guest lecturer)

Medical School

- Director, Health Systems Theme
- Mastering Medical Informatics (Discussion group leader)
- Understanding and Improving Health Care System (Guest lecturer)

Society for Medical Decision Making

- Cost-Effectiveness Analysis for Non-Health Economists. Short course #20, 2005; Short course #7 2007

ISPOR

- Workshop: Presenting uncertainty in cost-effectiveness research, 2006, 2008

Related Skills and Experiences

Service

- Chair, Student Recruitment Committee, Graduate Program in Health Services Research and Policy (HSR), 2005-present.
- HSR Graduate Program Representative, Committee on Graduate Studies, University of Rochester School of Medicine, 2003-present.

- Internship in management and evaluation of non-for-profit health care organizations, Rochester Chapter of Alzheimer's Association (Program/Public Policy Director Sharon Boyd), January-April 2001.
- Volunteer, Community Outreach Program, University of Rochester (Nancy Chin, Director). Educated refugee and immigrant population about U.S. health care system and health life style, 1995-1997.

Invited Presentations

- Certainly Uncertain: Estimating Confidence Intervals of Cost-Effectiveness Ratios, Faculty Research Seminar, Department of Community and Preventive Medicine, University of Rochester, September 2002
- How robust cost-effectiveness ratio to missing data imputations? Rochester Clinical Research Curriculum, University of Rochester, February, 2004.
- Economic Assessment in Maternal and Child Health, MATRICHHS (Matrixed Analytic Training for Reproductive, Infant, and Child Health Services), Massachusetts, North Carolina and Puerto Rico Health Departments, August - September 2004.
- Motor vs Mental Component of Quality of Life in Parkinson Patients, Geriatrics and Neuropsychiatry Research Seminar, University of Rochester, October, 2004.
- Quality adjusted years of life gained from implantable defibrillator, Rochester Clinical Research Curriculum, University of Rochester, November, 2004.
- Certainty Uncertain: Performing and interpreting multivariate cost-effectiveness sensitivity analysis. SUNY Geneseo, Department of Mathematics Lecture Series. September 28, 2005.
- Use of administrative data for examining patterns and costs of medical care: An application to Parkinson's disease. Workshop on Experimental Therapeutics. Department of Neurology, University of Rochester, October 7, 2005.

Publications

Original Research Articles

- Kazarinova K., A. Custer, D. Mattson, and P. Shrager (1998) Nitric oxide effect in the nervous system: nerve conduction block that is dependent on the axonal environment. *Chemistry for Medicine and Veterinary*, Saratov State University Publishing, Russia, p. 69-71, 1998.
- Shrager, P., A. W. Custer, K. Kazarinova, and D. Mattson (1998) Conduction block of sciatic nerve by nitric oxide that is mediated by the axonal environment. *Journal of Neurophysiology*, 79: 529-536.
- Kazarinova-Noyes K., J. D. Malhotra, D. P. McEwen, L. N. Mattei, E. O. Berglund, B. Ranscht, S. R. Levinson, M. Schachner, P. Shrager, Lori L. Isom, and Z.-C. Xiao (2001) Contactin Associates with Na⁺ Channels and Increases their Functional Expression. *Journal of Neuroscience*, 21(19):7517-25.
- Chen, C, Bharucha, V, Chen, Y, Westenbroek, RE, Brown, A, Malhotra, JD, Jones, D, Avery, C, Gillespie, PJ, Kazen-Gillespie, KA, Kazarinova-Noyes, K, Shrager, P, Saunders, TL, Macdonald, RL, Ransom, BR, Scheuer, T, Catterall,

- WA, and Isom, LL. 2002. Reduced sodium channel density, altered voltage dependence of inactivation, and increased susceptibility to seizures in mice lacking sodium channel beta2-subunits. *Proceedings of the National Academy of Sciences* 99: 17072-17077.
- Custer, AW, Kazarinova-Noyes, K, Sakurai, T, Xu, X, Simon, W, Grumet, M and Shrager, P 2003. The role of the ankyrin-binding protein NrCAM in node of Ranvier formation. *Journal of Neuroscience* 23:10032-10039.
 - Holloway RG, K Nesbit, D Bordley, K Noyes (2004) Teaching and Evaluating the Practice of Evidence-Based Medicine to First and Second Year Medical Students. *Medical Education*, 38:868-878.
 - Noyes K., Andrew W. Dick, Robert G. Holloway and the Parkinson Study Group (2004) Pramipexole vs Levodopa as Initial Treatment for Parkinson's Disease: A Randomized Clinical-Economic Trial. *Medical Decision Making*, 24:472-485.
 - Noyes K., Andrew W. Dick, Robert G. Holloway. Pramipexole v. Levodopa in Patients with Early Parkinson's Disease: Effect on Health-Related Quality of Life. *Value in Health*, 9(1):28-38, 2005. **#15 on the most read articles for the journal** <http://www.ispor.org/publications/value/TopRead.asp>.
 - Noyes K., Andrew W. Dick, Robert G. Holloway and the Parkinson Study Group. Dynamic changes in cost-effectiveness: comparing pramipexole and levodopa in early Parkinson's disease. *Pharmacoeconomics*, 2005; 23(12):1257-1270.
 - Noyes K., H Liu, Y Li, RG Holloway, AW Dick. Economic burden associated with Parkinson's disease. *Movement Disorders*, 21(3):362-372, 2006.
 - Piotrowicz K, Noyes K, Lyness JM, McNitt S, Andrews M, Dick A, Hall WJ, Moss AJ, Zareba W. Physical Functioning and Mental Well-Being in Association with Health Outcome in Patients Enrolled in the Multicenter Automatic Defibrillator Implantation Trial II. *Eur Heart J*, 2007; 28(5):601-607.
 - Noyes K., H Liu, RG Holloway. What is the risk of developing Parkinsonism following neuroptics use? *Neurology*, 66(6), 2006.
 - Noyes K, H Liu, H Temkin-Greener. Cost of Caring for Medicare Beneficiaries With Parkinson's Disease: The Impact of the CMS-HCC Risk-Adjustment Model. *Disease Management*, 9(6):339-348, 2006.
 - Noyes K., H Liu, RG Holloway, AW Dick. Accuracy of Medicare Claims Data in Identifying Parkinsonism Cases. *Movement Disorders*, 9(6):339-348, 2006.
 - Noyes K, E Corona, AW Dick, J Zwanziger et al. Quality of life and economic consequences of Implantable Cardiac Defibrillator: Results from MADIT II. *Medical Care*, 2007; 45(5):377-385.
 - Dorsey ER, JP Thompson, K. Noyes, A.W. Dick, R. G. Holloway, S. R. Schwid. Quantifying the risks and benefits of natalizumab in relapsing multiple sclerosis. *Neurology*, 2007; 68:1524-1528.
 - O'Conner AB, K Noyes, RG Holloway. Desipramine, Gabapentin, or Pregabalin for Treating Older Patients with Postherpetic Neuralgia: A Cost-Utility Analysis. *Journal of the American Geriatrics Society*, 2007, 55(8):1176-84.
 - Noyes K., RG Holloway, AW Dick. The American Perspective: The Implications of Using US-Specific EQ-5D Preference Weights for Cost-Effectiveness Evaluation. *Medical Decision Making*, 2007 27: 327-334.

- Huang DT, HW Sesselberg, S McNitt, K Noyes, ML Andrews, WJ Hall, AW Dick, JP Daubert, W Zareba, and AJ. Moss, for the MADIT-II Research Group. Improved Survival Associated with Prophylactic Implantable Defibrillators in Elderly Patients with Prior Myocardial Infarction and Depressed Ventricular Function, A MADIT II Sub-Study. *The Journal of Cardiovascular Electrophysiology*, 2007,18(8):833-838.
- Bonafede, M, T Brown, J Klein, K Noyes, AW Dick. The Effect of Acupuncture Utilization on Healthcare Utilization. *Medical Care*, 2008, 46(1):41-48.
- O'Conner AB, K Noyes, RG Holloway A Cost-utility Comparison of Four First-line Medications in Painful Diabetic Neuropathy. *Forthcoming*, *Pharmacoeconomics*, 2008.
- Noyes K, H Liu, H Temkin-Greener. The impact of comorbid conditions on the CMS-HCC Risk-Adjustment reimbursement. *In review*, *American Journal of Managed Care*, 2008.
- Thompson JP, K Noyes, ER Dorsey, SR Schwid, RG Holloway. A Quantitative Risk-Benefit Analysis of Natalizumab. *Neurology*, *Forthcoming*, 2008.
- Noyes K, E Corona, AW Dick, J Zwanziger et al. Determinants of Quality of Life in patients with Implantable Cardiac Defibrillators. *In review*, *Medical Care*, 2008.
- Noyes K, H Liu, JM. Lyness; B Friedman Identifying Major Depression Using Medicare Claims. *In review*, *HSR*, 2008.
- Holland M, A Huston, K Noyes. Cost Effectiveness of Testing For Breast Cancer Susceptibility Genes. *In review*, *Value in Health*, 2008.
- Madeb R, D Golijanin, K Noyes, S Fisher, JJ Stephenson, SR Long, J Knopf, A Fender, M Davis, GH Lyman, EM Messing. Treatment of Superficial Bladder Cancer: Are We Practicing Evidence Based Medicine? *Forthcoming*, *Cancer*, 2008.
- Scosyrev E, K Noyes, C Feng, EM Messing. Gender and racial differences in bladder cancer presentation and mortality in the United States. *In review*, *Cancer*, 2008.
- Ruan S, K Noyes, JJ Bazarian. S-100B Screening: A Cost-Minimization Study For Emergency Department Management of Adult Patients with Isolated Mild Traumatic Brain Injury. *In review*, *Annals of Emergency Medicine*, 2008.

Reviews and Book Chapters

- Kazarinova-Noyes K., P. Shrager (2002) Molecular Constituents of the Node of Ranvier. *Molecular Neurobiology*, 26:167-182.
- Noyes K and RG. Holloway. Cost-effectiveness research in Parkinson's disease. In: *Parkinson's Disease*. Eds: Manuchair Ebadi, Ph.D., and Ronald Pfeiffer, M.D. CRC Press LLC, 2005.
- Noyes K and RG Holloway (2004) Evidence from cost-effective research. *NeuroRx*, July 1:348-355.

- Shrager P, W Simon, K Kazarinova-Noyes (2005) Sodium channel reorganization in demyelinating axons. In: Multiple Sclerosis as a Neuronal Disease. Ed: S. Waxman. Elsevier Academic Press, p.119-130.
- Noyes K, E Singer, EM Messing. Cancer care economics of bladder cancer: cost-enhancing factors and possible cost reduction. *Forthcoming*, Current Opinion in Urology, September 2008.

Presentations and Scientific Meeting (Published Abstracts)

- Kazarinova, K., A. Custer, D. Mattson, and P. Shrager. Reversible conduction block of rat sciatic nerve by nitric oxide generating compounds. *Neuroscience 1996 Revisited, May 16 1997, The Rochester Chapter Society for Neuroscience*.
- Kazarinova, K., A. Custer, D. Mattson, and P. Shrager (1997) Nitric oxide block of axonal conduction: dependence on connective tissue sheaths. *Society for Neuroscience Abstracts*, 23(2):1474.
- Kazarinova, K., Z.C. Xiao, E. Berglund, B. Ranscht, L. Gollan, E. Peles, L. Mattei, L. Isom and P. Shrager (1999) A test for the interaction of contactin and Caspr with Na⁺ channels in remyelinating axons. *Society for Neuroscience Abstracts*, 25 (1):999, 401.7.
- Noyes, K., J. Zwanziger, A.W. Dick, R. Holloway, and The Parkinson Study group (2001) Do dopaminergic complications predict quality of life in Parkinson's disease? *Movement Disorders*, September.
- McEwen, D.P., Kazarinova-Noyes, K., Malhotra, J.D., Mattei, L.N., Levinson, S.R., Xiao, Z.C., Shrager, P., and Isom, L.L. 2001. Contactin requires $\alpha 1$ subunits to increase Na⁺ channel cell surface expression. *Abstracts, Society for Neuroscience*.
- Noyes, K., J. Zwanziger, A.W. Dick, R. Holloway, and The Parkinson Study group (2002) Costing a chronic illness and determining cost-effectiveness of a new treatment: pramipexole compared with levodopa in early PD. Pharmacia Corp. Annual Meeting, Amelia Island, February.
- Bergstrom, U, E.O. Berglund, K. Kazarinova-Noyes, E. Peles, P.J. Brophy, P. Shrager, B. Ranscht. 2002 Contactin supports the organization of central paranodal junctions. *Abstracts, Society for Neuroscience*.
- Noyes K., Andrew W. Dick, Robert G. Holloway and the Parkinson Study Group (2003) Analyzing uncertainty around incremental cost-effectiveness ratio in clinical-economic trials: An application to Parkinson's disease. Academy of Health 20th Annual Meeting.
- Noyes K., Andrew W. Dick, Robert G. Holloway and the Parkinson Study Group (2003) Cost-effectiveness analysis of Pramipexole in early Parkinson's disease. Value in Health, May.
- Noyes K., Andrew W. Dick, Robert G. Holloway and the Parkinson Study Group (2003) Quality of life assessment of early Parkinson's disease patients. Medical Decision Making, 23(6):248.
- Xu, X., Custer, A.W., Kazarinova-Noyes, K., Grumet, M. and Shrager, P. (2003) The role of ankyrinG and ankyrinG-binding proteins in Na⁺ channel clustering at

axon initial segments and nodes of Ranvier. *Abstracts, Society for Neuroscience*.

- Noyes K, Yue Li, R Holloway, AW Dick (2004) Burden of Illness: Medicare Beneficiaries with Parkinson's disease. Academy of Health 21th Annual Meeting.
- Noyes K., Andrew W. Dick, Robert G. Holloway and the Parkinson Study Group (2004) How robust is cost-effectiveness ratio to missing data imputation? Analysis of long-term clinical trial in Parkinson's disease. *Value in Health* 7(3):227.
- Noyes K., Andrew W. Dick et al. Quality adjusted years of life gained from implantable defibrillator: Comparison of a new method with traditional analysis in clinical trials. Medical Decision Making 26th Annual Meeting, October 17-20, 2004, Atlanta.
- Noyes K, H Liu, RG Holloway. Use of Medications leading to drug-induced parkinsonism among Medicare beneficiaries. *ISPOR 10th Annual Research Meeting, Value in Health*, 8(3):258, 2005.
- Noyes K, MPH, H Liu, H Temkin-Greener. Cost of caring for Medicare beneficiaries with Parkinson's disease: impact of the CMS-HCC risk-adjustment model. Submitted to the Academy of Health Annual Research Meeting, 2005.
- Cai, S, K Noyes, AW Dick. Impact of prescription drug coverage on drug use in elderly with diabetes. The American Public Health Association Annual Meeting, 2005.
- Tuncer AH, K Noyes, RG Holloway. Economic analysis of dental care in adults with mild/moderate developmental disabilities. 17th Annual Conference on Special Care Issues in Dentistry Washington D.C. April 14-17 2005.
- Piotrowicz K, K Noyes, J Lyness, S McNitt, AJ Moss, W Zareba. Health Related Quality of Life in Patients Enrolled in the Multicenter Automatic Defibrillator Implantation Trial. The Annual AHA Meeting, Dallas, TX Nov 15-16, 2005.
- Noyes K, M Daumer, A Dick, R Dorsey, R Holloway, C McCabe, D Miller, S Schwid, HC Shih. *Comparing Cost-Effectiveness Models for MS Disease-Modifying Agents: Different Inputs and Assumptions Produce Different Conclusions*. 58th Annual Meeting of the American Academy of Neurology, April 5, 2006, San Diego, CA.
- Noyes K, M Daumer, A Dick, R Dorsey, R Holloway, C McCabe, D Miller, S Schwid, HC Shih. *Comparing apples with what: Different inputs and assumptions produce different conclusions in MS economic models*. *Value in Health*, 9(3):A83, 2006.
- Noyes K, A Dick, R Dorsey, R Holloway, S Schwid, C Li, HC Shih. *Use of Prescription Medications and Medical Costs in Multiple Sclerosis*. AcademyHealth Annual Research Meeting, June 25, 2006, Seattle, WA. Section on Coverage and Access, Sun 2-3:30
<http://www.academyhealth.org/2006/abstracts/index.htm>
- Liu HS, P Veazie, AW Dick, K Noyes. Effect of Sample Size on Models' Performances in Predicting Medical Expenditures. AcademyHealth Annual Research Meeting, June 25, 2006, Seattle, WA.
- Mikityansky I, Noyes K, Holloway R. Cost-Effectiveness Analysis of Computed Tomography Imaging versus Clinical Assessment for Evaluation of Patients with

40% year
5/1/05 – 4/30/09

Cost-effectiveness of treatments in multiple sclerosis

- (PI Jill S. Halterman) 2/13/06-2/14/10
NHLBI \$ 2,938,012
School-based Asthma Therapy: Stage 2 Effectiveness Study 10%

Goal: 1) To test school-based administration of asthma preventive medications as a means to improve outcomes for young urban children. 2) To establish the cost-effectiveness of this type of intervention.

- Guidant (co-PI K Noyes) 11/01/04 – 10/31/09 10% (no salary)
Cost-Effectiveness and Quality of Life Sub-studies (Noyes, Veazie, co-PIs)
Multicenter Automatic Defibrillator Implantation – \$1,656,204
Cardiac Resynchronization Trial

The objective of this project is to conduct Cost Effectiveness and Quality of Life sub-studies that are components of prime study to evaluate the safety and efficacy of the prophylactic use of cardiac resynchronization therapy in combination with an implantable cardioverter defibrillator in patients at high risk for certain cardiac rhythm disorders.

- AHRQ (PI McConnochie) R01 HS15165
Valuation of Telehealth in the Rochester-Area Program of Primary Care-Integrated Telehealth 10/1/04 – 9/30/07
10% \$1,013,008

Aims: To expand the Health-e-Access telehealth network and assess its impact on quality and cost of health care; and on families, employers, schools, childcare and primary care office practice.

- MCBH (PI McConnochie) R40 MC03605
The Economic Impact of Health-e-Access 10/1/04 – 9/30/07
10% \$391,908

Aims: To assess the impact of the expanded Health-e-Access telehealth network on quality and cost of health care; and on families, employers, schools, childcare and primary care office practice.

- Quality and Cost Outcomes of Hospital Supplemental Nurse Staffing (PI Ying Xue) 09/01/07-08/31/09
RWJF 20% \$299,833

To understand the use of supplemental registered nurses (SRNs) by hospitals and its impact on the quality of care and cost.

- EMSC (EMERGENCY MEDICAL SERVICES FOR CHILDREN) Targeted Issue Grant (HRSA) (McConnochie, PI)

Optimizing access for acute childhood illness: the role of telemedicine

yr1=5% yr3=10% 9/1/07 – 8/31/10

Year 1 total costs: 199,935 Total costs: 599 805 (approx)

Aims:

I. To integrate the Health-e-Access telemedicine model (HeA) in a major Rochester-area access point for low-income families and to establish this model as a well accepted approach to care for acute childhood illness presently seen in these settings.

II. To assess the potential impact of telemedicine access points in community settings on healthcare costs.

- R40 Extramural MCH Research Program (McConnochie, PI)

Evaluation of Telemedicine for Children with Special Healthcare Needs.

yr1=10%, yr2=5%, yr3=10% Year 1 total costs: \$300,000 Total costs: \$900,000

Aims:

I. Establish telemedicine networks in Rochester, NY and Akron, OH that address acute care needs of CSHCN by clinicians from their primary care medical home and to describe the process of acceptance and adoption.

IA. Assess the clinical feasibility and effectiveness of telemedicine.

IB. Assess the impact of HeA on quality of care.

II. Assess the economic impact of this HeA network on key stakeholders.

IIA. Assess the economic impact (direct costs) of the HeA network from the health system perspective

IIB. Assess the economic impact (indirect or time costs) of the HeA network from the parent, child site and employer perspectives

IIC. Assess the overall economic impact of HeA from a societal perspective

Completed

- Russian Presidential Fellowship for Undergraduate Research, 1994-1995.
- Graduate Study Fellowship, University of Rochester, Department of Biophysics, 1995-2000.
- Academy of Healthcare Research and Quality Postdoctoral Fellowship, 2000-2002.
- (PI Ann Dozier) \$100,000 3%
CDC 9/1/04 – 8/31/05
Baby-Friendly's impact on duration and exclusivity; cost-effectiveness of breast-feeding promotion program.
- NIA Mentored Scientist Research Development Award (K01)
1 K01 AG20980 (PI Noyes) \$543,420 85%
NIA 9/1/02 – 8/31/07

Mentoring

MPH Students:

Vineeta Baronos
Tony Pietropaoli
Chandler Shyu
Jennifer Wagmiller
David Watson
Richard Wing
Brenda Wittman
Igor Mikityansky
Ray Dorsey (research associate)
Joel Thompson (Committee Chair)
Rabih Salloum (Advisor)
Alec O'Connor (Committee Chair)
Karen Knight (Advisor)
Christopher Mooney (Advisor)
Melissa Mura (Advisor)
Shalu Narang (Advisor)
Erik Rueckmann (Advisor)
Gwendolyn Snyder (Advisor)

PhD Students:

Adi Eldar-Lisai (advisee)
Feng Qian (advisee)
Hangsheng Liu (advisee)
Chunyu Li (research assistant)
Hui-Che Shih (research assistant)
Ethan Corona (research assistant)
Shubing Cai (PhD research supervisor)
Mac Bonafede, PhD Committee Member
Yue Li, PhD Committee Member
Ying Xian, Committee Member
Kelly Doyle (Advisor)

Other Professional and Administrative Commitments

- Graduate Program Representative, Committee on Graduate Studies, University of Rochester Medical Center
- Chair, Recruitment Committee, Division of Health Services Research
- Theme Director, Health Systems, Double Helix Instruction Committee, University of Rochester School of Medicine

Awards

- Recipient of the Presidential Fellowship and the University Award for excellence in academic study and research, Russia, 1994
- Recipient of the University Travel Award for Graduate Student's Original Research.
- Best Podium Presentation, International Society for Pharmacoeconomics and Outcomes Research 9th Annual Meeting, Arlington, VA, 2004.
- Excellence in Research Awards, University of Rochester Medical School, 2004, 2006
- Best Short Course, Society for Medical Decision Making Research Meeting, San Francisco, 2005.

Affiliations

The Society for Medical Decision Making, 2000-present

The Academy for Health Services Research & Health Policy, 2000-present

The Society for Neuroscience, 1997-2000

The International Society for Pharmacoeconomics and Outcomes Research, 2004-present

Reviewer for Professional Journals

Medical Decision Making

Pharmacoeconomics

Neurology

Movement Disorders

Medical Care

European Journal of Neurology