

## **JACK ZWANZIGER**

### **PROFESSIONAL EXPERIENCE**

Lecturer - Department of Physics, Dawson College, 1973 - 1974.

Supervisor, Corporation Analysis Division, Bell Canada, 1974 - 1977.

Senior Policy Analyst, Policy Analysis and Coordination Office, Ontario Ministry of Transportation and Communications, 1977 - 1980.

Manager, Telecommunications Policy Office, Ontario Ministry of Transportation and Communications, 1980 - 1983.

Lecturer, UCLA School of Public Health, 1987 - 1990.

Consultant, RAND Corporation, 1983 - Present.

Assistant Professor, Community and Preventive Medicine, University of Rochester, 1990 - 1994.

Associate Professor, Community and Preventive Medicine, University of Rochester, 1994 - present.

Director, Doctoral Program in Health Services Research, 1994 - 1999.

Director, Post-Doctoral Program in Health Services Research, 1999 -2002

Co-Director, Laboratory of Epidemiological and Outcomes Data, 1998 – 2002

Professor and Director, Health Policy and Administration Division, School of Public Health, University of Illinois at Chicago, 2002-present

Director, Center for Health Services Research, University of Illinois at Chicago, 2003-present

Associate Director, Center for Clinical and Translational Sciences, and Director, Research Education and Careers in Health, University of Illinois at Chicago, 2007-present

### **EDUCATION**

B.S., Mathematics (First Class Honours), 1967, McGill University

M.S., Physics, 1970, Cornell University

Ph.D., Physics, 1972, Cornell University

M.B.A., Policy Analysis, 1978, McGill University

Ph.D., Policy Analysis, 1987, Rand Graduate School

## RESEARCH EXPERIENCE

Co-Principal Investigator -- A Comparison Between Hospital Cost in the US and Canada. Assessing the extent to which the observed differences in hospital costs are due to differences in administrative costs, patient care intensity and wage rates. Funded by the Agency for Health Care Policy and Research at \$230,000 over 18 months (1982-91).

Co-Principal Investigator -- The Effect of the Structure of Health Care Markets on Hospital Costs, Prices, Quality and Service Intensity and Insurance Premiums. A study integrating the effects of the structure of hospital, physician and insurance markets on hospital and insurance company behavior. Funded by the Agency for Health Care Policy and Research at \$600,000 over two years (1989-91).

Principal Investigator -- The Market Share of VA Hospitals. Investigating the market share of each VA hospital in its service area. Funded by the Management Services Group, Department of Veterans Affairs at \$70,000 over 3.5 years (1990-94).

Investigator -- Study to Increase Immunization Coverage in Inner City Areas. Developing a cost benefit methodology to assess vaccination programs. Funded by the Centers for Disease Control at \$720,000 over three years (1990-93).

Investigator -- Multicenter Automatic Defibrillator Implantation Trial/Cost Effectiveness Study. Participating in a three year study to establish the cost effectiveness of an implantable defibrillator. Funded by Cardiac Pacemakers, Inc., 1992-1997.

Investigator -- Angina in Primary Care. Establishing the cost-effectiveness of a variety of diagnostic strategies for patients with angina. Funded by the Agency for Health Care Policy and Research at \$1.8 million over 5 years (1992-98).

Investigator -- The Impact of Health Insurance on Uninsured Children. Evaluating the effect of state-sponsored health insurance on uninsured children. Funded by the Packard Foundation at \$210,000 over three years (1994-96).

Investigator -- Factors Influencing the Use of Inpatient Services at Veterans Administration Facilities. Funded by Health Services Research and Development, Department of Veterans Affairs at \$200,000 over the years (1994-96).

Principal Investigator -- The Effect of Selective Contracting on Physician Pricing. Assessing the ability of PPOs and HMOs to lower the rate of increase in physician fees. Funded by AHCPR at \$190,000 over 18 months (1993-1995).

Co-Principal Investigator -- Evaluation of the Child Health Plus Program. Evaluating the utilization, access, quality and cost effects of a statewide program to subsidize insurance for

children. Funded by the New York Department of Health at \$500,000 over 1 year (1995-96).

Investigator -- The Choice of Veterans Administration Facilities for Outpatient Services. Funded by Health Services Research and Development, Department of Veterans Affairs at \$250,000 for 30 months (1996-1998).

Investigator -- Referrals in Primary Care. Funded by the Agency for Health Care and Policy Research for two years, (1996-1998).

Principal Investigator -- Factors Influencing Hospital Contracting with Managed Care Plans. Funded by the Agency for Health Care Policy and Research at \$50,000 for two years (1997-1999).

Investigator -- Effect of Vaccination Laws on Use and Quality of Care. Funded by Association of Teachers Preventive Medicine at \$400,000 over three years (1996-1999).

Co-Principal Investigator -- Hospitals Strategic Responses to Competitive Markets. Funded by the Agency for Health Care Policy and Research at \$50,000 for 2 years (1997-1999).

Co-Principal Investigator -- An Evaluation of the Impact of the New York Health Care Reform Act of 1996 on Provider and Insurer Finances and Organization, and on Insurance Coverage and Costs. The Robert Wood Johnson Foundation for 3 years at \$800,000 (25% effort)

Principal Investigator -- Multicenter Automatic Defibrillator Implantation Trials (II)/Cost-Effectiveness. Funded by Cardiac Pacemakers, Inc. for 5 years (1997-2002).

Investigator -- The Use of Quality Report Cards by Patients, Physicians, Managed Care Organizations. Funded by Agency for Health Care Policy and Research for 2 years (1998-2000) for \$275,000.

Investigator -- Changes in Quality of Care in Nursing Homes: Health Outcomes vs. Amenities. Funded by National Institute of Aging/Agency for Health Care Policy and Research for 3 years (1998-2001) at \$377,779.

Investigator -- Cost-Effectiveness Analysis of Surgery in Epilepsy. Funded by AHCPR (1998-2002)

Principal Investigator -- AHCPR Training Grant. Funded by Agency for Health Care Policy and Research to support pre- and post-doctoral training in health services research (1994-2003).

Principal Investigator -- Health Services Training for Clinicians. Funded by AHCPR for 3 years (1998-2001) at \$230,000.

Co-Principal Investigator – New York SCHIP: What Works for Vulnerable Children. Funded by AHRQ (1999-2002) at \$1.7 million.

Principal Investigator – Hospital Consolidation and Safety Net Hospitals. Subcontract to RAND (Escarce-PI). Funded by AHRQ at \$725,000 over five years.

Investigator – Socioeconomic Disparities and Managed Care Utilization. Funded by AHCPR, subcontract to Highland Hospital, \$71,000 over 2 years.

Co-Principal Investigator- Outcomes of ICU Working Conditions. Funded by AHRQ \$969,000 over three years 2001-2004.

Investigator-Is the Impact of Managed Care on Hospital Prices Decreasing? Funded by the Robert Wood Johnson Foundation, 250,000 over 18 months (2004-2006).

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Principal Investigator –Hospitals’ Price Responses to Medicare Reimbursement Changes. Blue Cross Blue Shield Association, \$85,000 (2005-2006.)

Principal Investigator-Clinical Research Training Program (K 30) Funded by NCRR \$1.5 million over 5 years 2005-2010.

Co-Principal Investigator-Planning Grant for Institutional CTSA- Funded by NCRR \$150,00 2006-2007.

Principal Investigator –Elevated Cholesterol in a Low SES Community. Pfizer 2007-2008

Investigator-Evaluating the Implementation of a Family-focused Prevention Program: Effectiveness of SafeChildren. Funded by National Institute of Justice, 2006-2009.

Co-Investigator (Education (Core Director), Clinical Translational Sciences Application, NCRR, \$20 Mill, 2009-2014

#### Other Health-Related Studies - RAND

Investigator -- Prospective Payment for Mental Health and Neonatal Services. Assessed financial inputs of prospective payment approaches for CHAMPUS. Funded by the Office of the Assistant Secretary of Defense for Health Affairs, Department of Defense, (1987-89).

Co-Principal Investigator -- The Effects of Hospital Competition. Undertaking a comprehensive analysis of the effects of hospital competition on hospital costs, revenue, utilization and quality. Funded by the Office of the Assistant Secretary for Planning and Evaluation, Department of Health and Human Services (DHHS) at \$675,000 over three years (1987-92).

Investigator -- The Effect of the CHAMPUS Reform Initiative on Physician Practice Patterns. Component of the evaluation of the effects of the CHAMPUS Reform Initiative on enrollment in managed care plans, utilization rates, expenditures and program costs. Funded by the Office of the Assistant Secretary of Defense for Health Affairs, Department of Defense, at \$600,000,000 over five years (1987-93).

Investigator -- The Effect of Competition on Hospital Efficiency and Uncompensated Care. Analyzed changes in the efficiency of California hospitals and their relationship to selective contracting and the Medicare Prospective Payment System. Funded by the Robert Wood Johnson Foundation at \$400,000 over three years (1988-92).

Investigator: Modeling-Geriatrics in the Twenty First Century. PI - John C. Beck. Developing models to project both the overall number of physicians and of geriatricians needed by the population over 65 years of age. A joint RAND-UCLA study funded by the Henry J. Kaiser Foundation and the National Center for Health Services Research at \$100,000 over 18 months (1987-89).

Investigator - The Adequacy of the Supply Geriatrics Faculty. PI - John C. Beck. Developing a model to project the supply of geriatric faculty supply. Sponsored by HRSA at 120,000 over one year (1988-90).

Co-Principal Investigator -- Study of the Relationship Between Competition and Hospital Prices, Costs, Utilization, and Quality of Care. Funded by Assistant Secretary of Planning and Evaluation, DHHS at \$600,000 over three years (1994-1996).

Co-Principal Investigator -- Health Care Markets, Managed Care and Hospital Performance. Funded by the Agency for Health Care Policy and Research at \$500,000 over two years (1995-97).

Co-Principal Investigator -- Inpatient Utilization in Medicare HMO's. Funded by Assistant Secretary of Planning and Evaluation, Department of Health and Human Services at \$700,000 over three years (1998-2001).

Center Investigator and Project Principal Investigator -- Health Care Markets and Vulnerable Populations. Center Grant AHRQ, \$3.5 million over five years (2000-2005).

Investigator,--Budget Allocations for the VA Healthcare System. Department of Veterans Affairs. 1999-2002.

## **PUBLICATIONS**

### Journal Articles

Pointer, D.D. and J. Zwanziger, "Pricing Strategies and Tactics in the New Hospital Marketplace" Hospital and Health Services Administration, Nov-Dec 1986;31(6):5-18.

Melnick, G.A., and J. Zwanziger, Hospital Behavior under Competition and Cost Containment Policies: The California Experience 1980-85. J of the American Medical Association, 1988;260(18):2669-2675.

Zwanziger, J. and G.A. Melnick, The Effects of Hospital Competition and the Medicare PPS Program on Hospitals Cost Behavior in California. J. of the Health Economics, 7 (1989) 301-320.

Melnick, G.A., J. Zwanziger and A. Verity-Guerra, The Growth and Effects of Hospital Selective Contracting. Health Care Management Review, 14(3) Summer 1989.

Melnick, G.A., J. Zwanziger and T. Bradley, An Update on Hospital Behavior Under Competition and Cost Containment Policies in California: 1980-1987. Health Affairs, 8(2):129-139 Summer 1989.

Reuben, D.B., T.B. Bradley, J. Zwanziger et al, Candidates for the Certificate of Added Qualification in Geriatric Medicine: Who, Why and When?, J of the American Geriatric Society, 38:483-488, April 1990.

Zwanziger, J., G.A. Melnick, and J. Mann, Measures of Hospital Market Structure: A Review of the Alternatives and a Proposed Approach, Socio-Economic Planning Sciences, Summer 1990;24(2):81-95..

Zwanziger, J. and R.A. Auerbach, Evaluating PPO Performance Using Prior Expenditure Data. Medical Care 29(2):1991.

Zwanziger, J., L. Davis, A. Bamezai and S.D. Hosek, Using DRGs to Pay for Inpatient Substance Abuse Services: An Assessment of the CHAMPUS Reimbursement System. Medical Care 29(6):1991.

Reuben D.B., T.B. Bradley, J. Zwanziger, S. Vivell, A. Fink, S.H. Hirsch, J.C. Beck, Geriatrics Faculty in the United States: Who Are They and What Are They Doing? Journal of the American Geriatrics Society 3(9):1991.

Melnick G.A., J. Zwanziger, A. Bamezai, R. Pattison. "The Effect of Market Structure and Bargaining Positions on Hospital Prices," Journal of Health Economics, 1992; 11:217-233.

Haber, S.G., J. Zwanziger, G. Anderson, K.E. Thorpe and J.P. Newhouse, "Hospital Expenditures in the United States and Canada: Do Hospital Worker Wages Explain the Differences?" Journal of Health Economics, 1992; 11:453-465.

Reuben, D.B., J. Zwanziger, T.B. Bradley, A. Fink, S.H. Hirsch, A.P. Williams, D.H. Solomon, J.C. Beck. "How Many Physicians will be Needed to Provide Medical Care for Older Persons? Physician Manpower Needs for the Twenty-First Century". *Journal American Geriatrics Society*, 1993; 41(4):444-453.

Reuben, D.B., T.B. Bradley, J. Zwanziger, A. Fink, S. Vivell, S.H. Hirsch, J.C. Beck. "The Critical Shortage of Geriatrics Faculty". *Journal American Geriatrics Society* 1993;41:560-569.

Reuben, D.B., T.B. Bradley, J. Zwanziger, and J.C. Beck. "Projecting the Need for Physicians to Care for Older Persons: Effects of Changes in Demography, Utilization Patterns, and Physician Productivity." *Journal American Geriatrics Society* 1993;41:1033-1038.

Zwanziger, J., G.M. Anderson, S.G. Haber, K.E. Thorpe, and J.P. Newhouse. "A Comparison of Hospital Costs in California, New York, and Canada". *Health Affairs* 1993;12(2):130-139.

Kravitz, RL; Zwanziger, J; Hosek, S. Effects of managed care on CHAMPUS health-care utilization. *Clinical Research* 1993;41(2): A542-A542.

Reuben, D.B., J. Zwanziger, T.B. Bradley, and J.C. Beck. "Is Geriatrics a Primary Care or Subspecialty Discipline? *Journal American Geriatrics Society* 1994;42:363-367.

Zwanziger, J., G.A. Melnick, J. Mann, and K. Eyre. "Hospitals and Antitrust: Defining Markets, Setting Standards". *Journal of Health Politics, Policy and Law* 1994;19(2):422.

Zwanziger, J., G.A. Melnick, and A. Bamezai. "Costs and Price Competition in California Hospitals, 1980-1990". *Health Affairs* 1994;13(3):118-126.

Zwanziger, J., G.A. Melnick, J. Mann, and L. Simonson. "How Hospitals Practice Cost Containment with Selective Contracting and the Medicare Prospective Payment System." *Medical Care* 1994;32(11):1153-1162.

Melnick, G.A. and Zwanziger, J. "State Health Care Expenditures under Competition and Regulation, 1980 through 1991." *American Journal of Public Health* 1995;85(10):1391-1396.

Rodewald, LE; Szilagy, PG; Pollard, LR; Jennings, J; Zwanziger, J; Holl, JL. 1995. Relation between health-insurance and choice of immunization provider - parents prefer a medical home. *Pediatric Research* 1995;37(4): A144-A144, Part 2.

Zwanziger J, G Melnick, and L Simonson. "Differentiation and Specialization in the California Hospital Industry 1983-1988." *Medical Care* 1996;34(4):361-372.

Mann, J; Melnick, G; Bamezai, A; Zwanziger, J. Uncompensated care - hospitals responses to fiscal pressures. *Health Affairs*;1995: 14 (1): 263-270.

Hansen Korinna K, and J Zwanziger. "Marginal Costs in General Acute Care Hospitals: A

Comparison among California, New York and Canada." *Health Economics* 1996;5:195-216.

Zwanziger J, and G Melnick. "Can Managed Care Plans Control Health Care Costs." *Health Affairs* 1996;15(2):185-199.

Mann J, G Melnick, A Bamezai, and J Zwanziger. "A Profile of Uncompensated Hospital Care, 1983-1995." *Health Affairs*, 1997:July/August.

Rodewald LE, Szilagyi PG, Holl J, Pollard LR, Barth RD, Jennings JA, Zwanziger J, Raubertas RF. "Health Insurance for Low-Income Working Families: Impact on the Provision of Immunizations to Preschool Children". *Archives of Pediatric and Adolescent Medicine* 1997; 151(8):798-803.

Mushlin AI, Zwanziger J, Gajary E, Andrews M and Marron R. Approach to Cost-Effectiveness Assessment in the MADIT Trial. *American Journal of Cardiology* 1997;80(5B):33F-41F.

Kravitz RL, Zwanziger J, Hosek S, Sloss E, Polich S, McCaffrey D. Effect of a Large Managed Care Program on Emergency Medicine Use: Results from the CHAMPUS Reform Initiative Evaluation. *Annals of Emergency Medicine* 1998;31(6):741-748.

Mushlin AI, Hall, WJ, Zwanziger J, Gajary E, Andrews M, Marron, R, Zou, KH, and Moss AJ for the Multicenter Automatic Defibrillator Trial Investigators. The Multicenter Automatic Defibrillator Implantation Trial: results from the cost-effectiveness analysis. *Circulation* 1998;97:2129-2135.

Bamezai A, Zwanziger J, Melnick GA, Mann JM. "Price Competition and Hospital Cost Growth in the United States (1989-94). *Health Economics* 1999;8:233-243.

Keeler EB, Melnick G, Zwanziger J. The Changing Effects of Competition on Non-Profit and For-Profit Hospital Pricing Behavior. *Journal of Health Economics* 1999;18(1):69-86.

Franks P, Zwanziger J, Mooney C, and Sorbero M. Variations in Primary Care Physician Referral Rates. *Health Services Research* 1999;34(1):323-329.

Melnick G, Keeler E, and Zwanziger J. Market Power and Hospital Pricing: Are Nonprofits Different? *Health Affairs* 1999;18(3):167-173.

Mukamel DB, Mushlin AI, Weimer D, Zwanziger J, Parker T, Indridason I. Do Quality Report Cards Play a Role in HMO's Contracting Practices? Evidence from New York State. *HSR: Health Services Research* 2000;35:1, Part II:319-332.

Fiscella K, Franks P, Zwanziger J, Mooney C, Sorbero M, Williams GC. Risk Aversion and Costs: A Comparison of Family Physicians and General Internists. *Journal of Family Practice* 2000; 49(1):12-16.

Szilagyi P, Zwanziger J, et al. Evaluation of a state health insurance program for low-income children: Implication for state child health insurance programs. *Pediatrics* 2000;105(2):363-71.



Szilagyi PG, Holl JL, Rodewald LE, Shone LP, Zwanziger J, Mukamel DB, Trafton S, Dick A, Raubertas RF. Evaluation of children's health insurance: From New York State's Child Health Plus to SCHIP. *Pediatrics* 2000;105(3):687-691.

Trafton S, Shone LP, Zwanziger J, Mukamel DB, Dick AW, Jarrell L, Holl JL, Rodewald LE, Raubertas RF, Szilagyi PG. Evolution of a children's health insurance program: Lessons from New York State's Child Health Plus. *Pediatrics* 2000;105(3):692-696.

Szilagyi PG, Shone LP, Holl JL, Rodewald LE, Jennings J, Zwanziger J, Mukamel DB, Trafton S, Dick A, Barth R, Raubertas RF. Evaluation of New York State's Child Health Plus: Methods. *Pediatrics* 2000;105 (3):697-705.

Holl JL, Dick A, Shone LP, Rodewald LE, Zwanziger J, Mukamel DB, Trafton S, Raubertas RF, Szilagyi PG. A profile of the population enrolled in New York State's Child Health Plus: implications for State Children's Health Insurance Programs (SCHIP). *Pediatrics* 2000;105 (3):706-710.

Holl JL, Szilagyi PG, Rodewald LE, Shone LP, Zwanziger J, Mukamel DB, Trafton S, Dick A, Barth R, Raubertas RF. Evaluation of New York State's Child Health Plus: access, utilization, quality of health care, and health status. *Pediatrics* 2000;105(3):711-718.

Szilagyi PG, Holl JL, Rodwald LE, Yoos L, Zwanziger J, Shone LP, Mukamel DB, Trafton S, Dick A, Raubertas RF. Evaluation of New York State's Child Health Plus: Children Who Have Asthma. *Pediatrics* 2000; 105 (3):719-727.

Zwanziger J, Mukamel DB, Szilagyi PG, Trafton S, Dick A, Holl JL, Rodewald LE, Shone LP, Raubertas RF, Jarrell L. Evaluating Child Health Plus in upstate New York: How much does providing health insurance to uninsured children increase health care costs? *Pediatrics* 2000; 105(3):728-732.

Mooney C, Zwanziger J, Phibbs CS, Schmitt S. Is travel distance a barrier to veterans' use of VA hospitals for medical surgical care? *Social Science and Medicine* 2000;50:1743-1755.

Campbell TL, Franks P, Fiscella K, McDaniel SH, Zwanziger J, Mooney C, Sorbero M. Do Physicians Who Diagnose More Mental Health Disorders Generate Lower Health Care Costs? *Journal of Family Practice* 2000;49(4):305-10.

Zwanziger J, Melnick G, Bamezai A. Can Cost Shifting Continue in a Price Competitive Environment? *Health Economics* 2000;9(3):211-225.

Zwanziger J, Kravitz RL, Hosek SD, Hart K, Sloss EM, Sullivan O, Kallich JD, and Goldman DP. Providing Managed Care Options for a Large Population: Evaluating the Champus Reform Initiative. *Military Medicine* 2000;165(5):403-410.

Zwanziger J, Melnick G, Bamezai A. The Effect of Selective Contracting on Hospital Costs and Revenues. *Health Services Research* 2000;35(4):849-867.

Zwanziger J, Hart KD, Kravitz RL, Sloss EM. Evaluating Large and Complex Demonstrations: The CHAMPUS Reform Initiative Experience. *Health Services Research* 2001;35(6):1229-1244.

Zwanziger J, Szilagyi PG, and Kaul P. Evaluating the Benefits of Increasing Measles Immunization Rates. *Health Services Research* 2001;36(5):885-909.

Mukamel DB, Zwanziger J, Tomaszewski KJ. HMO Penetration, Competition and Risk Adjusted Hospital Mortality. *Health Services Research* 2001;36(6):1019-1035.

Franks P, Williams GC, Zwanziger J, Mooney C, Sorbero M. Why Do Physicians Vary So Widely in Their Referral Rates? *Journal of General Internal Medicine* 2000;15(3):163-168.

Stone PW, Zwanziger J, Hinton Walker P, Huenting J. Economic Analysis of Two Models of Low-Risk Maternity Care: A Freestanding Birth Center Compared to Traditional Care. *Research in Nursing and Health* 2000;23(4):279-289.

Zwanziger J, Mukamel DB, Indridason. Use of Resident-Origin Data To Define Nursing Home Boundaries. *Inquiry* 2002;39(1) 56-66.

Zwanziger J. Physician Fees and Managed Care Plans. *Inquiry* 2002: 39(2):184-193.

Mukamel, DB, DL Weiner, J Zwanziger and AL Mushlin. Quality of Cardiac Surgeons and Managed Care Contracting Practices. *Health Services Research*. 2002: 37(5) 1129-1144.

Mukamel, DB, J Zwanziger and A Bamezai. Hospital Competition, Resource Allocation and Quality of Care. *BMC Health Services Research* 2002: 2(10).

Bamezai, A., G. Melnick, J. Mann, and J. Zwanziger. Hospital selective contracting without consumer choice: What can we learn from Medi-Cal? *Journal of Policy Analysis and Management* 2003: Vol. 22, No. 1 65-84.

Franks,P, K Fiscella, L. Beckett, J Zwanziger, C Mooney, S Gorthy. Effects of patient and physician practice socioeconomic status on the health care of privately insured managed care patients. *Medical Care* 2003;41(7):842-852.

Sorbero, MES, AW Dick, J Zwanziger, D Mukamel and N Weyl. "The Effect of Capitation on Switching Primary Care Physicians." *Health Services Research* 2003 38(1): 191-209.

Dick AW, Szilagyi P, Shone LP, Klein J, Yu H, Zwanziger J. The evolution of SCHIP in New York: Changing characteristics of the population. *Pediatrics* (2003) 112(6 Pt 2):e542-e550.

Szilagyi, PG; Dick, AW; Klein, JD; Shone, LP; Barthauer, L; McInerney, TK; Zwanziger, J. Improvements in access to health care after enrollment in the State Children's Health Insurance

Program (SCHIP). *Pediatric Research* 2003;53(4): 263A-263A, Part 2 Suppl. S.

Rothenberg BM, Pearson T, Zwanziger J, Mukamel D. Explaining disparities in access to high-quality cardiac surgeons. *Ann Thoracic Surg* 2004; 78(1) pp 18-24

Larson E, T Bratts, J Zwanziger, P W Stone. A Survey of IRB Process in 68 U.S. Hospitals. *Journal of Nursing Scholarship* 2004;36(3):260-264.

Szilagyi, Peter G.; Dick, Andrew W.; Klein, Jonathan D.; Shone, Laura P.; Zwanziger, Jack; McInerney, Thomas. Improved Access and Quality of Care After Enrollment in the New York State Children's Health Insurance Program (SCHIP). *Pediatrics*, May 2004, Vol. 113 Issue 5, E395-E404.

Shone LP, Dick AW, Klein JD, Zwanziger J, Szilagyi PG. Reduction in racial and ethnic disparities after enrollment in the State Children's Health Insurance Program. *Pediatrics* 2004;113(5):E395-E404.

~~Mukamel DB, Weimer DL, Zwanziger J, Gorthy SH, Mushlin AI. Quality Report Cards, Selection of Cardiac Surgeons, and Racial Disparities: A Study of the Publication of the New York State Cardiac Surgery Reports. *Inquiry*, Winter 2004/2005~~

Szilagyi, P, Dick A, Klein L, Shone L, Zwanziger J, Bajorska A, Yoos HL. Improved Asthma Care After Enrollment in the State Children's Health Insurance Program (SCHIP) in New York. *Pediatrics*, Forthcoming.

Zwanziger J, C Mooney. Is Competition Lowering Hospital Prices? *Inquiry* 2005 42(1) 73-85.

Zwanziger J, C Mooney. Has Price Competition Changed Hospital Revenue and Expenses in New York? *Inquiry* 2005 42(2) 183-192.

Zwanziger, J, A Bamezai. Evidence of Cost Shifting In California Hospitals. *Health Affairs* 2006 25(1) 197-203.

Zwanziger J et al. The Cost Effectiveness of Implantable Defibrillators: Results from MADIT-II. *JACC*, 2006, 47(11) 2310-2318.

Zwanziger, J, N Khan. Safety Net Activities and Hospital Contracting with Managed Care Organizations, *Medical Care Research and Reviews* 2006.

Stone, P.W., C Mooney-Kane., E Larson., D Pastor., J Zwanziger, and A Dick. Nurse working conditions, organizational climate and intention to leave in ICUs. *Health Services Research*. . (2007, 42(3 Pt 1):1085-104).

Noyes, K et al.. Health-Related Quality of Life Consequences of Implantable Cardioverter Defibrillators: Results from MADIT II. *Medical Care* (2007, 45(6):571-8.

Stone, PWD, C. Mooney-Kane, E Larson; T Horan, L Glance, J Zwanziger, A Dick. Nurse Working Conditions and Patient Safety Outcomes. *Medical Care* (2007, 45(6):571-8).

Zwanziger, J and N. Khan. Safety Net Hospitals. *Medical Care Research and Reviews* 2008; 65; 478

Dranove D, Lindrooth R, White WD, Zwanziger J. Is the impact of managed care on hospital prices decreasing? *J Health Econ.* 2008 Mar;27(2):362-76.

Zwanziger, J, N Khan and A Bamezai. The relationship between safety net activities and hospital financial performance 2010 *BMC* Jan 14;10(1):15

### Abstracts

Zwanziger J. and R. Kravitz. "The Effect of Managed Care Options: Evidence from a Large Demonstration." Association for Health Services Research, June 1992.

Holl JL, Rodewald LE, Szilagyi PG, Raubertas RF, Zwanziger J, Weitman M. State-Funded Health Insurance for Children of the Working Poor: Does It Meet Their Needs? Presentation at the 1994 APA/SPR/APS Annual Meeting, Seattle, WA, May 4, 1994

Zwanziger J., P. Kaul. "Benefit of Supplemental Measles Vaccination Programs." Association for Health Services Research, June 1994.

Rodewald LE, Szilagyi PG, Pollard LR, Jennings J, Zwanziger J, Holl JL. Relation Between Health Insurance and Choice of Immunization Provider: Parents Prefer a Medical Home. Poster presentation at the 1995 APA/SPR/APS Annual Meeting, San Diego, CA, May 8, 1995.

Holl JL, Rodewald LE, Pollard LR, Raubertas RF, Zwanziger J, Szilagyi PG. State Funded Health Insurance for Children: Effect on Health Status and Parental Satisfaction. Abstract presentation at the 1995 APA/SPR/APS Annual Meeting, San Diego, CA, May 11, 1995.

Rodewald LE, Szilagyi PG, Pollard LR, Jennings J, Zwanziger J, Holl JL. Relation Between Health Insurance and Choice of Immunization Provider: Parents Prefer a Medical Home. Abstract #14. Poster presentation at the 29th National Immunization Conference, Los Angeles, California, May 15-17, 1995.

Holl JL, Rodewald LE, Pollard LR, Raubertas RF, Zwanziger J, Szilagyi PG. State Funded Health Insurance for Children: Effect on Health Status and Parental Satisfaction. Abstract #13. Poster presentation at the 12th Association for Health Services Research (AHSR) and Foundation for Health Services Research (FHSR) Annual Meeting, Chicago, Illinois, June 4-6, 1995.

Szilagyi PG, Rodewald LE, Holl JL, Mukamel DM, Pollard LR, Raubertas RF, Trafton SH, Dick A, Zwanziger J. Effect of Health Insurance on Children's Utilization of Health Care: A Statewide Evaluation. Platform presentation at the 1996 APA/SPR Annual Meeting, Washington, DC, May 8, 1996.

Mukamel DB, Zwanziger J, Dick A, Szilagyi PG, Rodewald LE, Trafton SH, Pollard LR, Holl JL, Raubertas RF. Do Utilization and Costs of Non-Hospital Care for Children Depend on the Type of Insurance Plan? American Public Health Association, November 1996.

Mushlin AI, Hall WJ, Zwanziger J, Gajary E, Andrews M, Marron R and Zou K. Cost-effectiveness of Implantable Cardiac Defibrillator Management: Results from the Economic Component of the Madit Study. Presented at International Society Technology Assessment in Health Care, May 1997.

Szilagyi PG, Holl JL, Rodewald LE, Pollard LR, Zwanziger J, Raubertas RF. Effect of Health Insurance on Use and Quality of Care for Children with Asthma. Platform presentation at the 1997 APA/SPR/APS National Meeting, Washington, DC, May 1997.

Holl JL, Shone LP, Rodewald LE, Zwanziger J, Raubertas RF, Szilagyi PG. State-Funded Health Insurance: Impact on Utilization and Quality of Care Among Uninsured and Underinsured Children. Platform presentation (Poster #544) at the 1997 APA/SPR/APS National Meeting, Washington, DC, May 3, 1997.

Rodewald L, Szilagyi PG, Holl J, Pollard L, Barth R, Zwanziger J, Raubertas R, Jennings J. Health Insurance for Low-Income, Working Families: Impact on the Delivery of Immunizations to Preschool Children. Workshop presentation at the 1997 31<sup>st</sup> National Immunization Conference, Detroit, MI, May 19-22, 1997.

Pollard Shone L, Szilagyi PG, Trafton SH, Rodewald LE, Holl JL, Raubertas RF, Mukamel DB, Dick A, Zwanziger J. State-Funded Health Insurance for Children of the Working Poor: Impact on Racial and Ethnic Minorities. Ambulatory Pediatric Association/Pediatric Academic Societies Annual Meeting, New Orleans, LA, May 1-5, 1998.

Zwanziger J, Melnick GA, Bamezai A. Can Cost Shifting Continue in a Price Competitive Environment? Association for Health Services Research, Washington, DC, June 1998.

Zwanziger J, and Lavigne J. Deregulation of Hospital Pricing in Two Communities: The Transition from NYPHRM to NYHCRA in Upstate New York. Association for Health Services Research, Washington, DC, June 1998.

Zwanziger J, Mushlin AI, Williams GC, Polashenski P. Factors Influencing Diagnostic Test Ordering for Suspected Coronary Artery Disease. Society for Medical Decision Making, October 1998.

Gajary EM, Mushlin AI, Zwanziger J, Moss AJ, Marron R, Andrews M. Strategies for Including Costs and Quality of Life Measures in Randomized Controlled Trials of New Medical Technologies. Society for Clinical Trials, May 1999.

Zwanziger J and Mooney C. "The Effect of Health Care Reform Act (HCRA) on Hospital Prices." Poster Presentation, Annual Meeting for Association of Health Services Research, Los Angeles, CA,

June 2000.

#### Other Reviewed Publications

Manning, W.G., J.P. Newhouse et al, Health Insurance and the Demand for Medical Care: Evidence from a Randomized Experiment. R-3476-HHS RAND Corporation 1987.

Zwanziger J., E.M. Sloss, S.D. Hosek, A. Bamezai, L.M. Davis, K. Cameron, "Prospective Payment for CHAMPUS Exempt Services," R-3700-HA, RAND Corporation, Santa Monica, CA, 1992.

Wasserman J, J Ringel, B Wynn, J Zwanziger, K Ricci, S Newberry, B Genovese M Schoenbaum. "An Analysis of the Veterans Equitable Resource Allocation System" MR-1419-DVA, RAND, Santa Monica, CA, 2001.

Wasserman J, J Ringel, K Ricci, J Malkin, M Schoenbaum, B Wynn, J Zwanziger, S Newberry, M Suttorp, A Rastegar. "An Analysis of Potential Adjustments to the Veterans Equitable Resource Allocation System" MR-1629-DVA, RAND, Santa Monica, CA, 2002.

#### Book Chapters

J. Zwanziger, Pricing Hospital Services, in "The Pricing Decision: A Strategic Planner for Marketing Professionals," D.T. Seymour ed., Probus Publishing, Chicago, 1988.

Zwanziger J., G.A. Melnick, "The Effects of Competition on the Hospital Industry: The Evidence From California," in *Competitive Approaches to Health Care Reform*, R.J. Arnould, R.F. Rich and W.D. White, eds, The Urban Institute Press, 1993.

J. Zwanziger, G.A. Melnick, and A. Bamezai, "California Providers Adjust to Increasing Price Competition," in *Health Policy Reform: Competition and Controls*, Robert B. Helms, ed, The AEI Press, 1993.

J. Mann, G. Melnick, A. Bamezai, and J. Zwanziger. Managing the Safety Net: Hospital Provision of Uncompensated Care in Response to Managed Care. *Advances in Health Economics and Health Research* 15:49-77, 1995.

J. Zwanziger and A. Meirowitz. "Strategic Factors in Hospital Selection for HMO and PPO Provider Networks," in: *Managed Care and Changing Health Care Markets*, Michael Morrissey, ed, The AEI Press, 1998.

## Editorials and Letters

Melnick, G.A., and J. Zwanziger, Competition and Hospital Costs. *J of the American Medical Association*, V. 262, No. 4, 1989.

Zwanziger, J., A Dangerous Concentration in Hospital Markets, *Wall Street Journal*, June 19, 1989.

Zwanziger, J., Antitrust Considerations and Hospital Markets, *J of Health Economics*, Spring 1990.

Zwanziger, J., An Antitrust Policy for a Health Care Industry in Transition. *Journal of Health Politics, Policy and Law* 1995;20(1):171-173.

## **Invited Lectures**

"Hospital Service Mix and Price Competition". RAND Conference on Health Economics, Santa Monica, CA, March 1990.

"Competition and Hospital Behavior". Regional Workshop, VA Management Sciences Group, Boston, September 1990.

"VA Hospital Market Structure". Regional Workshop, VA Management Sciences Group, June 1991.

"The Effects of Competition on the Hospital Industry". Policy Symposium, "Competitive Health Policy Reforms: Appraisal and Prognostication", University of Illinois Urbana, November 1991.

"The Definition of Hospital Antitrust Markets". Annual Conference of American Economics Association, New Orleans, LA, January 1992.

"Price Competition in Hospital Services". Invited seminar, University of Alabama, April 1992.

"Evaluating the Utilization Management Program of the CHAMPUS Reform Initiative". The 5th International Conference of Health Care and System Services, Prague, July 1992.

"Choosing a VA Hospital". Northeast Regional Workshop on Health Economics, Newport, RI, September 1992.

"Adjusting to Increasing Price Competition". American Enterprise Institute, Washington, DC, April 1993.

"Competition and Provider Behavior", Kupat Cholim Macabi, Senior Management Forum, Tel Aviv, Israel, August 1993.

"Hospital Cost Shifting in a Competitive Environment". Association for Health Services Research,

San Diego, CA, June 1994.

"Estimating the Number of A-eligible Veterans". Third Annual Northeast Regional Research Symposium, Newport, Rhode Island, August 3-5, 1994.

"Specialization and Differentiation in the California Hospital Industry". Third Annual Northeast Regional Research Symposium, Newport, Rhode Island, August 3-5, 1994.

"The Effect of Managed Care Insurance Plans on HMO Premiums," Annual Conference of American Economics Association, January, 1995.

"Cost Shifting in a Competitive Environment". Fourth Annual Northeast Regional Research Symposium, Newport, Rhode Island, July 1995.

"The Effect of Managed Care Growth on Health Care Costs". The New Competition: Dynamics Shaping the Health Care Market, An Invitational Meeting Sponsored by the Robert Wood Johnson Foundation, Washington, DC, November 9, 1995.

"Health Care Markets, Managed Care, and Hospital Performance". Agency for Health Care Policy and Research. Research Conference, Washington, DC, February 1997.

"Strategic Factors in Hospital Selection for HMO and PPO Provider Networks". Managed Care and Changing Health Care Markets, American Enterprise Institute for Public Policy Research, Washington, DC, April 1997

"Patterns in Managed Care Fees for Physician Services." Physicians and the Changing Health Care Marketplace, University of Illinois at Chicago, April 1997

"State Policies and Hospital Competition." Leonard Davis Institute for Health Economics, University of Pennsylvania, Philadelphia, PA, May 1997

"Evaluating Child Health Plus", Annual Symposium on Health Services Research, New York, New York, December 1997

"Physician and Patient Factors Associated with Variations in Physician Referral Rates", (presented by Peter Franks), Association for Health Services Research, Washington, DC, June 1998

"Are Physician Fees Negotiated with Managed Care Plans Converging to RBRVS Values?", Sixth Northeast Regional Health Economics Research Symposium, Newport, Rhode Island, August 1998

"Impact of the Health Care Reform Act of 1996 on Hospital Costs," The Ninth Annual Symposium on Health Services Research in New York, New York City, New York, December 1998

"Managed Care and Physician Fees," American Economics Association, New York, January 1999



“Factors Influencing Negotiated Physician Fees”, International Health Economics Association, Rotterdam, Netherlands, June 1999.

“Health Care Markets, Competition and Public Policy”, The Governor’s Advisory Council on Health, Providence, Rhode Island, October 1999.

“The Effects of The Health Care Reform Act on Hospital Financial Behavior” Seventh Northeast Regional Health Economics Research Symposium, Newport, Rhode Island, August 2000.

“DeRegulation and Hospital Prices in New York State” International Health Economics Association, York England, June 2001

“HCRA and Hospital Negotiated Prices” American Public Health Association, November 2001.

“Defining Hospital Markets for Antitrust Analysis” Testimony before the Joint Department of Justice-Federal Trade Commission Law and Policy Hearings, Health Care and Competition, March 2003.

“Safety Net Activities and Membership in Hospital Systems” International Health Economics Association, June, 2003

Defining Safety Net Activities” APHA International Health Economics Association, November, 2003

“The Financial Performance of US Safety Net Hospitals in the 1990s” ” International Health Economics Association, July, 2005

### **Guest Lectureship**

JDC - Brookdale Institute, Jerusalem, Israel, August, 1993.

### **Affiliations**

Member, Board of Directors, Rochester Healthcare Information Group, 1992-1994

Member, Association for Health Services Research, 1991-

Member, Board of Directors, Congregation Beth Haknesses HaChadash, 1991-93

Member, Board of Governors, Hillel School, Rochester, NY, 1993-1999

### **Other Professional Activities**

Reviewer

Journal of the American Geriatric Society, Eastern Economic Journal, Journal of Health Policy, Politics, and Law, Inquiry, Journal of the American Medical Association, Journal of Health Economics, Journal of Business Economics, Milbank Quarterly, Medical Care, Health Affairs, Journal of Clinical Oncology, Health Services Research, Health Economics, American Economic Review.

Testified before Senate Committee on Veterans Affairs.

Review: Agency for Health Care Policy and Research, Office of Technology Assessment, Robert Wood Johnson Foundation.

Training Grant Review Panel: Agency for Health Care Policy and Research, 1993

Study Section Review Panel: Agency for Health Care Policy and Research, 1997

**Honors:**

Fellow -- Association for Health Services Research

Fellow -- Employee Benefit Research Institute