willias. Stanura	
A Commissioner, etc.	
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The Commission of the constructs	
The Commonwealth of Massachusetts	
County 8.8.	
Date JUL 14, 2007	
Then personally appeared the above named	
Richard G. trank	
and acknowledged the foregoing instrument	
to be his/her free act and deed, before me	
Wilma R Stahlera	
WILMA R. STAHURA, Notary Public	
My Commission Expires Jan. 28, 2011	

This is **Exhibit A** referred to in the Affidavit of **Richard Frank** sworn before me this  $\frac{i^{D}l}{l^{D}l}$  day of June, 2007.

# PAST POSITIONS

Vice-Chair Citizens Health Care Working Group (Appointed June 2006)	2006 -2007
Member Citizens Health Care Working Group (Appointed by Comptroller General March 10, 2005)	2005 – 2006
Member Substance Abuse and Mental Health Service Administration Advisory Council U.S.D.H.H.S.	1996 - 2000
Professor of Health Economics Department of Health Care Policy Harvard University Medical School	1994 - 1999
Commissioner Health Services Cost Review Commission State of Maryland	1989 - 1994
Deputy Director Center on Organization and Financing of Care for the Severely Mentally Ill	1990 - 1994
Professor Department of Health Policy and Management School of Hygiene and Public Health Johns Hopkins University	1991 - 1994
Staff Member President's Task Force on Health Care Reform	1993
Associate Professor Department of Health Policy and Management School of Hygiene and Public Health Johns Hopkins University	1986 - 1991
Faculty Research Fellow National Bureau of Economic Research Cambridge, MA/New York, NY	1983 - 1987
Assistant Professor Department of Health Policy and Management	1984 - 1986

# School of Hygiene and Public Health Johns Hopkins University

Assistant Professor of Psychiatry University of Pittsburgh Pittsburgh, PA	1981 - 1984
Senior Fellow/Visiting Assistant Professor of Economics University of Pittsburgh Pittsburgh, PA	1980 - 1981
Economist Division of Biometry and Epidemiology National Institute of Mental Health Rockville, MD	1979 - 1980
Teaching Fellow Department of Economics Boston University Boston, MA	1977 - 1979
Peace Corps Volunteer Republic of Botswana, Africa	1975 - 1976

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#### OP ED

- 1. "Avenging the Health Care Consumer" NPR Marketplace, November 8, 2004.
- 2. "Casses Maladie: Pourquoi la Concurrence ne Fonctionne Pas" (with Karine Lamiraud) <u>Le Temps</u> (Geneva Switzerland) October 30, 2006.

3. "Easing Mental Illness Through Money" (with Sherry Glied) Boston Globe October 31, 2006.

#### REFEREED LETTERS

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#### **MONOGRAPHS**

- 1. Frank RG and McGuire TG. <u>A Review of Demand and Utilization of Specialty Mental Health Services</u> American Psychiatric Association Press, Washington, DC 1984.
- 2. Frank RG (Guest Editor with Scheffler, R.M.) Special Issue, *Inquiry* 26(2), Summer 1989.
- 3. Siragelden I, Sorkin A, Frank RG. (Editors) <u>Research on Human Capital and Development</u>, JAI Press, Greenwich, CT 1990.
- 4. Frank RG and Manning WG. (Editors) <u>Economics and Mental Health</u>, Johns Hopkins University Press, Baltimore, MD 1992.
- 5. Frank RG, McGuire TG and Goldman HH. <u>Buying in the Public Interest</u>, Bazelon Center for Mental Health Law, Washington, DC 1996.
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- 7. Frank RG, Morlock LL. <u>Managing Fragmented Public Mental Health Services</u>, Milbank Memorial Fund: New York, NY, 1997.
- 8. Frank RG, Berndt ER, Donohue J, Epstein AE, Rosenthal M, <u>Trends in Direct-to-Consumer Advertising of Prescription Drugs</u>, Kaiser Family Foundation, Menlo Park, CA February 2002.
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10. Frank RG, Newhouse JP: Mending the Medicare Prescription Drug Benefit: Improving Consumer Choices and Restructuring Purchasing, The Hamilton Project Discussion Paper No. 2007-03, April 2007.

## **GRANTS RECEIVED (PI or Co-PI Only)**

- 1979 The Impact of Licensing Laws and Insurance Reimbursement Provisions on Mental Health Delivery, Co-Principal Investigator with TG. McGuire and A. Klevroick Source: Foundations' Fund for Research in Psychiatry
- 1981 A Study of Production and Cost in Mental Hospitals Using the Economics of the Multiproduct Firm

Source: National Institute of Mental Health

- 1982 A Critical Review of the Literature of Utilization and Demand for Mental Health Services
  Source: American Psychiatric Association
- 1983 HMO Costs: A National Sample
  Co-Principal Investigator with WP. Welch
  Source: NCHSR
- 1983 Health Econometric Methods for Multimedia Pollutants
  Co-Principal Investigator with HL. Needleman, M. Grossman, D. Coate, F. Goldman, M. Kamlet
  Source: Environmental Protection Agency
- 1983 The Economic Consequences of Low Level Lead Exposure
  Co-Principal Investigator with HL. Needleman
  Source: Environmental Protection Agency
- 1984 Medicaid Financing Policy
  Biomedical Science Research Grant
  Source: NIH/Johns Hopkins University
- 1986 Medicaid Financing of Psychiatric Patients
  Co-Principal Investigator with JR. Lave
  Source: NIMH
- 1986 New Investigator Research Award Source: National Institute of Mental Health
- 1986 Financing Prenatal Care for the Poor and Uninsured Principal Investigator with D. Strobino and D. Salkever
- 1986 Hospital Services for the Poor and Uninsured
  Co-Principal Investigator with D. Salkever, Principal Investigator
  Source: NCHSR

1987	Assistant Director Center for Organization and Financing of the SMI Co-Investigator with D. Steinwachs, Principal Investigator Source: NIMH
1988	First Research Award Source: National Institute of Mental Health
1989	A Randomized Evaluation of COSTAR Source Principal Investigator with W. Breakey Source: Kaiser Family Foundation
1990	The Role of Nonprofit Providers: Policy Impacts Co-Principal Investigator with D. Salkever, Principal Investigator Source: NIAAA
1991	Public Financing Structures in Mental Health Source: Robert Wood Johnson Foundation
1992	State Mental Health Policy Studies Co-Principal Investigator with TG. McGuire, Principal Investigator Source: NIMH
1992	Schizophrenia PORT Task Leader & Co-Principal Investigator with T. Lehman, Principal Investigator Source: AHCPR
1993	Market for Residential and Day Treatment Source: NIMH
1994	Reforming Mental Health/Substance Abuse Care Source: Robert Wood Johnson Foundation
1994	Risk Adjustment for Mental Health and Substance Abuse Source: HCFA
1995	Brandeis-Harvard University Center on Managed Care and Drug Abuse Co-Principal Investigator Source: NIDA
1995	Sloan-Harvard Center on Managed Care Deputy Director Source: Sloan Foundation
1997	Measuring Systems Cost Effectiveness for Depression Principal Investigator Source: MacArthur Foundation

Principal Investigator Source: Lilly 1998 Organizational Factors and Financial Incentive within Physician Groups Co-Principal Investigator Source: California HealthCare Foundation 1999 Analysis of the Department of Veterans Affairs National Formulary Principal Investigator Source: IOM 2000 Price Index for Mental Health Treatments Principal Investigator Source: NIMH Primary Care Treatment of Depression 2000 Principal Investigator Source: Robert Wood Johnson Foundation 2001 Direct to Consumer Advertising of Prescription Drugs Principal Investigator Source: Kaiser Family Foundation 2001 Evaluation of Three Tiered Formularies Principal Investigator Source: Robert Wood Johnson Foundation 2002 An Analysis of Prescription Drug Discount Cards Principal Investigator Source: Kaiser Family Foundation 2003 Tracking Performance in Mental Health Policy Co-Principal Investigator (with Sherry Glied) Source: MacArthur Foundation 2004 Economic Impacts of New Drugs Principal Investigator Source: NIMH 2004 Social Insurance and Mental Health Principal Investigator Source: MacArthur Foundation 2006 Evaluation of IHC Demonstration Principal Investigator Source: Hogg Foundation for Mental Health

1997 Management Incentives and Therapeutic Choice in Behavioral Health Care

2007 Tracking the Evolution of Mental Health Delivery Co-Principal Investigator Source MacArthur Foundation

#### **EDITORIAL ACTIVITIES**

Co-Editor, Journal of Health Economics

Editorial Board, Health Services Research (1997-2003)

Editorial Board, Journal of Mental Health Policy and Economics

Editorial Board, Health Affairs

Column Editor, Harvard Review of Psychiatry

Contributing Editor, Administration and Policy in Mental Health

Referee, Alcoholism: Clinical and Experimental Research

Referee, American Economic Review

Referee, American Journal of Epidemiology

Referee, American Journal of Psychiatry

Referee, American Journal of Public Health

Referee, Cambridge University Press

Referee, Canadian Journal of Economics

Referee, <u>Duke University Press</u>

Referee, Economic Inquiry

Referee, Family Planning Perspectives

Referee, Health Policy Quarterly

Referee, Health Services Research

Referee, Hospital and Community Psychiatry

Referee, Inquiry

Referee, <u>JAMA</u>

Referee, Johns Hopkins Press

Referee, Journal of Behavioral Toxicology

Referee, Journal of Health Policy

Referee, Journal of Health Politics, Policy and Law

Referee, Journal of Human Resources

Referee, Journal of the American Statistical Association

Referee, Medical Care

Referee, Millbank Memorial Fund Quarterly

Referee, <u>Psychological Bulletin</u>
Referee, <u>Public Finance Quarterly</u>

Referee, <u>Rand Journal of Economics</u>
Referee, <u>Review of Economics and Statistics</u>

Referee, Social Science and Medicine

Referee, Southern Economic Journal

## **CONSULTATIONS AND SERVICE**

Co-Chair: Fourth and Fifth Biennial NIMH Conferences on the Economics of Mental Health

Co-Chair: State of Maryland, Mental Health Mandate Review Panel, 1990 - 91

Member: NIMH Panel on Services Research Priorities for the Severely Mentally Ill

Member: American Psychiatric Association, Committee on the Future of Financing of Mental Health

Services

Member: Governor's Committee on the Uninsured, 1988 - 91

Member: Technical Advisory Panel, RWJ/HCFO Initiative, 1988 - 92

Member: Executive Committee, Health Economics Committee APHA, Medical Care Section, 1990 - 92

Member: OTA Panel on Defensive Medicine, 1992 - 93

Member: Advisory Panel, Southeastern Rural Mental Health Research Center, 1993 - 1995

Member: NIAAA Panel on Effectiveness Research, 1994 - 96

Member: Institute of Medicine, Committee on Accreditation of MBHC, 1996

Member: Board on Neuroscience and Behavioral Health, Institute of Medicine, 1998 - 2004

Contract Reviewer: National Institute of Mental Health

Contract Reviewer: HCFA

Reviewer: USGAO

Grant Review Consultant: National Institute of Mental Health

Member Interventions IRG: NIMH 1999-present

Consultant: Veterans Administration: Health Services Research Grants Program

Consultant: Carter Center - Emory University

Consultant: American Psychiatric Association

Consultant: American Psychological Association

Consultant: State of Massachusetts Medicaid Program

Consultant: State of Ohio Department of Mental Health

Consultant: City of New York Office of Mental Health

#### **TEACHING**

#### Courses Taught:

Microeconomic Models in Public Health Economics
Empirical Basis of Mental Health Policy
Intermediate Microeconomic Theory
Health Economics
Public Finance
Mathematical Methods in Public Health Economics
Introduction to Health Care Policy
Industrial Organization of Health Care

Director, Mental Health Policy Training Program (Harvard), 1994 - Present

Co-Director OR/Economics and Mental Health Training Program (Johns Hopkins), 1986-1990

Principal Investigator of Economics and Mental Health Training Program (Johns Hopkins), 1991-1994

Director, MHS Program in Health Finance and Management (Johns Hopkins), 1985-1987

# ACADEMIC RESPONSIBILITIES

Committee on Higher Degrees in Health Policy University Benefits Committee Standing Committee on Conflict of Interest

#### **SELECTED PRESENTATIONS**

## Seminars and Invited Lectureships

Production Functions for Inpatient Mental Health Care (World Congress on Health Economics), September 1980 with L. Kessler, Leyden, Holland.

The Shrinking of State Mental Hospital Systems (Public Choice Society), March 1981 with W. P. Welch, New Orleans, LA.

Pricing and Location of Physician Services in Mental Health (Atlantic Economic Association), August 1981, London, England.

Multi Product Production and Cost Function for Mental Hospitals (American Public Health Association), November 1982 with W. P. Welch, Montreal, Canada.

Mental Health, Social Costs and Primary Prevention (Invited Paper, World Federation for Mental Health), July 1983, Washington, DC.

- Demand and Utilization of Mental Health Services: A Review of the Evidence (American Public Health Association), November 1983, Dallas, TX.
- Keynote Speaker (Annual Meeting Pennsylvania Psychiatric Society), October 1984.
- The Effect of Benefit Design on the Length of Stay of Medicaid Psychiatric Patients (NIMH Conference on the Economics of Mental Health), October 1984 with J.R. Lave, Berkeley, CA.
- Sorting Out the Competitive Effects of HMOs (American Economic Association Meetings), December 1984 with W.P. Welch, Dallas, TX.
- Evaluating the Costs of Chronic Mental Disabilities (Conference on the Economics of Disability), April 1985 with H.H. Goldman, Washington, DC.
- Keynote Address (New Hampshire State Legislature Conference on Mandated Mental Health Insurance Benefits), January 1986, Concord, NH.
- The Impact of PPS on Psychiatric Patients Treated in Scatterbeds (Conference on the Economics of Mental Health), July 1986, Andover, MA.
- Economic Rents Derived from Hospital Privileges in the Market for Podiatric Services (MIT/Harvard Health Economics Seminar), April 1987, Cambridge, MA.
- Regulatory Responses to Information Deficiency in the Market for Mental Health Services (Invited, Paper Conference on the Future of Mental Health Services).
- Provider Choice for the Treatment of Mental Disorder: The Impact of Health and Mental Health Status (Association for Health Services Research), June 1987.
- A Review of Research on PPS (Presentation to NIMH Review Panel on Prospective Payment Research), June 1987.
- Economic Aspects of Investments in Prevention of Mental Disorders in Children and Adolescents (NIMH Conference on Financing of Mental Health Services for Children and Adolescents), February 1988.
- Provider Response to Payment Methods for Psychiatric Patients (Rutgers University, Center on Organization and Financing of Care for the SMI), April 1989.
- Pure Versus Impure Altruism in the Non-Profit Firm's Supply of Charity Care (RAND Conference on Health Economics), March 1990.
- Pricing, Patent Loss and the Market for Pharmaceuticals (Conference on Government Policies and Pharmaceutical R&D Policy: Sponsored by OTA and UC-Santa Barbara) September 1990 with David Salkever.

- Financing Structures in the RWJ/HUD Program for the Chronically Mentally Ill (APHA Annual Meeting), October 1990, New York, NY.
- The Health Sector (Conference on Distributional Impacts of the Nonprofit Sector, Duke University), November 1990, Durham, NC.
- Government, Markets and Madness: Public Financing of Mental Health Care (Dean's Lecture, Johns Hopkins University) December 1991, Baltimore, MD.
- All-Payer Price Setting in Maryland: Confessions of a Skeptical Regulator (Harvard Medical School), Spring 1992, Boston, MA.
- A Model Mental Health Insurance Plan (Annual Conference of NAMI), August 1992, Washington, DC.
- Public Financing of Mental Health Care in a Multi-level, Multi-agency Environment (NATO Advanced Research Workshop), September 1993, II Ciocco, Italy.
- The Uninsured and Mental Health Coverage: Implications for Health Reform (7th Biennial Conference on the Economics of Mental Health), September 1994.
- Economics and the New Market for Mental Health Care (Plenary Address to NIMH Conference on Services Research), 1995
- Brand Name Pricing of Drugs in Response to Generic Entry (2nd Biennial Conference on I-O and Health), September 1995, Boston, MA.
- Key Note Address (12th Annual Rosalynn Carter Symposium on Mental Health Policy), November 1996, Atlanta, GA.
- Constructing Quality-Adjusted Producer and Consumer Price Indexes for the Treatment of Acute Phase Depression: An Exploratory Analysis (NBER Summer Institute), July 1997, Cambridge, MA.
- Price Indexes for Depression (University of Pittsburgh Carnegie Mellon University Applied Microeconomics Workshop), March 1998, Pittsburgh, PA.
- Expenditures, Productivity, and Cost Effectiveness (Carl A. Taube Award Address, APHA), November 1998, Washington, DC.
- Parity for Mental Health (American Enterprise Institute), December 1999, Washington, DC.
- Economic Issues and Parity Within the FEHBP (RWJF/OPM Conference on Parity), June 2000, Washington, DC.
- Price Indexes for Depression (Department of Economics, Columbia University), December 2000, New York, NY.

- The Economics of Direct to Consumer Advertising of Prescription Drugs (ASPE Conference on DTCA),
  June 2001
- Measuring Productivity in Treatment of Depression (Grand Rounds Department of Psychiatry, University of Connecticut) May 2002.
- Invited Lecture: An Assessment of Managed Behavioral Health Care (American Psychiatric Association Fall Meeting) October 2002.
- Measuring Value in Mental Health (Grand Rounds, Department of Psychiatry University of Maryland)
  May 2003.
- The Economics of Direct to Consumer Advertising of Prescription Drugs: Lessons from the American Experience (Graduation Lecture, Program in Health Economics and Management University of Lausanne, Switzerland) May 2003.
- A Price Index for Treatment of Schizophrenia (Health Economics Association San Francisco) June 2003.
- Social Costs of Addictive Disorder and Economic Benefits from Treatment (Invited Lecture, International Council on Alcohol and Addictions) October 2003, Toronto, Canada.
- Behavioral Economics and Health Economics (50<sup>th</sup> Anniversary Conference of the Yro Jahnsson Foundation) Helsinki Finland, June 2004.
- Parity in Private Health Insurance for Mental Health Care (Fredric G. Corneel Lecture) McLean Hospital, November 2004.

# LEGISLATIVE TESTIMONY

- New York State Assembly Bill A65 09: "Economic Issues Surrounding the Recognition of Psychologists Under Worker's Compensation," Prepared supporting material for New York State Assembly Bill (May 1981).
- Pennsylvania H.B. 665: "Mandated Availability of Coverage for Mental Health Services in Private Insurance: Some Economic Issues," Testimony Before Pennsylvania House of Representatives Committee on Insurance (December 1981).
- Pennsylvania H.B. 1132: Mandated Coverage of Alcohol Drug Abuse and Mental Health Services," Testimony Before House Committee on Insurance (August 1983).
- Virginia Legislature: "Mandated Mental Health Benefits," Prepared supporting material for Virginia Legislature (Winter 1989 and Fall 1990).
- "Economic Issues and the Provision of Child Mental Health Services," Testimony Presented at National Hearing on Mental Health in America, Los Angeles, CA (October 1990).

- Virginia Legislature: "Mandated Mental Health Benefits: Flexibility," Testimony Before Virginia Legislature (July 1992).
- Congressional Briefing for House Mental Health Study Group, U.S. House of Representatives (October 1993).
- Senate Committee on Labor and Human Resources, Hearings on Mental Health and Health Reform (November 8, 1993).
- Senate Committee on Labor and Human Resources, Hearings on Parity for Substance Abuse Coverage, (July 28, 1998).
- Massachusetts State Joint Committee on Mental Health and Substance Abuse Hearings on Mental Health and Substance Abuse Care Delivery and Carve-outs (January 17, 2006)
- U.S. Senate Committee on Finance: "Drug Pricing Under Medicare Part D" (January 11, 2007)
- U.S. Senate Committee on Finance: "Health Reform and Health Insurance Coverage" (March 14, 2007)

# MEMBERSHIP IN PROFESSIONAL SOCIETIES

American Economic Association Association for Health Services Research American Public Health Association International Health Economics Association