

October, 1990

CURRICULUM VITAE

NAME: Mark Vincent Pauly
ADDRESS: 208 Saint Davids Court, Saint Davids, PA 19087
DATE OF BIRTH: November 24, 1941
MARITAL STATUS: Married

EDUCATION:

A.B.	Classical Languages (honors), magna cum laude		
	Xavier University	Cincinnati, OH	1963
M.A.	Economics	University of Delaware	Newark, DE 1965
Ph.D.	Economics	University of Virginia	Charlottesville, VA 1967

MAJOR AREAS OF INTEREST

Public Finance	Insurance Regulation
Collective Decision-Making	Medical Economics

DISSERTATION TITLE: Efficiency in Public Provision of Medical Care

ACADEMIC HONORS AND EXPERIENCE

Alpha Sigma Nu, National Honor Fraternity, Xavier University, 1962

Research Assistant, Thomas Jefferson Center for Political Economy,
1966-67

U.S. Public Health Service Research Associate, University of Virginia, 1967

Assistant Professor Economics, Northwestern University, 1967-70

Associate Professor Economics, Northwestern University, 1970-74

Professor of Economics, Northwestern University, 1974-83

Faculty Research Fellow, National Bureau of Economic Research, Palo Alto,
1974-75

Visiting Scientist, International Institute for Applied Systems Analysis,
Laxenburg, Austria, 1980, 1982

Visiting Research Fellow, International Institute of Management, Berlin,
1982-83, 1984, 1985.

Adjunct Scholar, American Enterprise Institute, 1983 - present.

Executive Director, The Leonard Davis Institute of Health Economics,
University of Pennsylvania, 1984 - 1989.

The Robert D. Eilers Professor of Health Care Management and Economics,
Leonard Davis Institute, University of Pennsylvania, 1984 - 1989.

CURRENT POSITIONS

Bendheim Professor; Professor of Health Care Systems, Public Policy and
Management, Insurance, and Economics, The Wharton School; Professor of Economics,
School of Arts and Sciences, University of Pennsylvania, 1983 - present; and
Director of Research and Senior fellow, Leonard Davis Institute of Health
Economics

CONSULTING

Office of Management and Budget, 1970

Office of the Secretary, DHEW, 1971-72

Division of Manpower Intelligence, National Institutes of Health, 1972-74

Organization for Economic Cooperation and Development, Paris, 1972

National Center for Health Services Research, 1984-85

American Hospital Association, 1984-85

Michigan Hospital Association, 1984-85

Health Insurance Association of America, 1986-87

The Urban Institute, 1981-90

Greater New York Hospital Association, 1987

Batelle Human Affairs Research Centers, 1989.

ADVISORY AND EDITORIAL BOARDS

Health Services Research Study Section, National Center for Health Services
Research and Development, 1972-75.

Editorial Board, Inquiry, 1978-81.

Health Advisory Board, American Enterprise Institute, Washington, DC.

Board Member, Association for Health Services Research, Washington, DC.,
1985 - 1989.

Editorial Board, Public Finance Quarterly, 1983 - present.

Editorial Board, Journal of Health Economics, 1983 - present.

Editorial Board, Health Services Research, 1987 - present.

Advisory Editor, Journal of Risk and Uncertainty, 1987 - present.

Advisory Committee, Office of Technology Assessment.

Member, Council on Research & Development of the American Hospital Association, 1987 - 1988.

Member, Institute of Medicine Task Force Committee on Treatment of Alcohol Problems, 1987-89.

Advisory Board, Health Research and Educational Trust of New Jersey's Office of Health Policy Analysis, 1987-89.

Advisory Council, Center for the Study of the New Institutional Economics, University of Saarland, Saarbrücken, West Germany, 1988.

Member, Institute of Medicine Committee on Substance Abuse Coverage Study, 1988 - 1990.

Advisory Board, Hospital Research Foundation, Pennsylvania Hospital Association, 1986-88.

Member, Commission to Study Health Services Corporations, State of New Jersey, 1988-89.

Member, Advisory Board, Capital Economics, Washington, DC, 1989-present.

Merck Sharp & Dohme Health Economics Advisory Board, 1988, 1989.

Member, Institute of Medicine Committee on Organization of Co-Administration of Research and Services Programs of the National Institutes of Health and the Alcohol, Drug, and Mental Health Administration, 1990.

Member, Technical Advisory Panel, Division of National Cost Estimates; Health Care Financing Administration, 1990.

Member, Technical Advisory Panel on Financing Research, National Institute of Drug Abuse, 1990.

Member, Health Technical Advisory Panel to the Advisory Council on Social Security, 1990.

MEMBERSHIPS

Active Member, Institute of Medicine.

American Economic Association.

Association for Health Services Research.

ACADEMIC PRESENTATIONS AND LECTURES, 1986

"Hospital Output Forecasts and the Cost of Empty Hospital Beds," Lehigh University, Bethlehem, PA, March 18, 1986.

"Employer-Provided Health Benefits for Retirees," The Wharton School's seminar, "The New Deficit," AT&T Headquarters, NYC, March 20, 1986.

"The Ethics and Economics of Rationing Medical Care: Organ Transplants," The Welfare Economics of Organ Transplantation, public lecture and presentation to medical economics class in honor of the 6th Annual Economics Day, Oberlin College, Oberlin, Ohio, April 3-4, 1986.

"Medicare DRG Regulation and its Effects on Quality for the Elderly and Uninsured Poor," Cornell University, Ithaca, New York, April 24, 1986.

"Cost Containment and New Directions in Health Policy in the U.S.: Some Answers and Some Questions." More Competition in the Public Health Service Seminar, Fondazione Luigi Einaudi, Milan, Italy, May 5, 1986.

American Association for the Advancement of Science Symposium on Medical Practice and Malpractice: "Who Shall Set the Standards?" The University of Pennsylvania, Philadelphia, PA, May 28, 1986.

"Advent and Implications of For-Profit Delivery," Employee Benefit Research Institute Policy Forum, The Changing Health Care Market, Grand Hotel, Washington, DC, June 3, 1986.

"Contemporary Considerations in the Treatment of Hypertension," LDI Symposium held at the Smithsonian Institution, Washington, DC, September 14, 1986.

"Privatization of the Public Sector," Conference sponsored by the Public Policy and Management Department, University of Pennsylvania, Philadelphia, PA, September 18-19, 1986.

Johns Hopkins RWJF Program for Faculty Fellowships in Health Care Finance, Baltimore, MD, September 25, 1986.

"The Cost/Quality Conflict: How it Affects the Patient," Health Forum, sponsored by the Institute for Health Issues Management, Northwestern University, Evanston, IL, October 6, 1986.

"What We Have Learned from Twenty Years of Medicare: Implications for Public and Private Sector Policy," conference sponsored by the Leonard Davis Institute of Health Economics, University of Pennsylvania, Philadelphia, PA, October 8-10, 1986.

"America in Transition: Employee Benefits for the Future," Employee Benefits Research Institute Policy Forum, Washington, DC, October 15, 1986.

American Economic Association annual meeting, New Orleans, LA, December 28-30, 1986.

ACADEMIC PRESENTATIONS AND LECTURES, 1987

- "Social Security and Private Pensions: Providing for Retirement in the 21st Century," sponsored by the Institute for Law and Economics, University of Pennsylvania, held at the National Press Club, Washington, DC, April 24, 1987.
- "Long Term Care for the Elderly: Issues and Options," Center for Health Economics & Law, University of Wisconsin, Madison, WI, May 6, 1987.
- "Public and Private Demands for Catastrophic Insurance" seminar, Northwestern University, Evanston, IL, May 11, 1987.
- "Not-for-Profit Firms in Medical Markets," seminar, at the Center for the Study of Business and Government, Bernard M. Baruch College, May 12, 1987.
- "Hospital Finance and Behavior of American For-Profit and Not-For-Profit Hospitals," paper presented at workshop on financing hospital care at Universitat des Saarlandes, West Germany, July 8, 1987.
- "Optimal Subsidies and Optimal Purchase of Long Term Care Insurance," paper presented at University of Zurich, Department of Economics, Zurich, Switzerland, July 16, 1987.
- Interstitial Cystitis Workshop sponsored by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), August 28-29, 1987.
- "Hospital Rate Regulation in a Competitive Inflationary Environment," paper presented at Washington State Hospital Commission, Olympia, Washington, September 10-11, 1987.
- RWJF Program for Faculty Fellowships in Health Care Finance at the Center for Hospital Finance and Management, Johns Hopkins, Baltimore, Maryland, September 29, 1987.
- "ESRD Population: Trends in Therapy and Survival Analysis" (with L. Diamond), paper presented at the American Nephrology Nurses' Association (ANNA) Clinical Concerns in Nephrology 1987 meeting, Orlando, Florida, October 16, 1987.
- "Research Design for an Examination of Adverse Selection in Multiple Option Group Insurance," paper presented at the American Public Health Association 115th Annual meeting, New Orleans, Louisiana, October 19-22, 1987.
- "Competition in Health Insurance Markets," paper presented at Symposium on Antitrust and Health, Vanderbilt Institute for Public Policy Studies, Vanderbilt University, Nashville, Tennessee, October 22, 1987.
- "Financing Health Care," paper presented at Health Policy Conference, William and Mary College, Williamsburg, Virginia, November 14, 1987.

ACADEMIC PRESENTATIONS AND LECTURES, 1988

"Why Rational People Do Not Buy Nursing Home Insurance and What To Do About It," talk presented at the Yale School of Organization and Management Colloquium Series, New Haven, Connecticut, February 4, 1988.

"Optimal Public Subsidies of Nursing Home Insurance in the United States," paper presented at the Johns Hopkins University, School of Public Health, Baltimore, MD, March 10, 1988.

"Markets, Politics, and Technology" Seminar Series, Office of Technology Assessment, Washington DC, March 24, 1988.

"Efficiency, Equity and Costs in the U.S. Health Care System," presentation at the American Health Care: What are the Lessons for Britain? Conference, sponsored by the Institute of Economic Affairs, London, England, April 25, 1988.

Public Policy Seminar Series presentation at Merck, Sharp & Dohme, Rahway, New Jersey, May 12, 1988.

"What the Future Holds for HMOs" presentation at the HMO Senior Executive Education Program, Leonard Davis Institute of Health Economics, University of Pennsylvania, May 16-20, 1988.

"The Future of National Health Insurance," paper presented at Equicor-Equitable HCA Corporation seminar entitled "Looking to the Future of National Health Insurance," Boston, Massachusetts, May 31, 1988.

"Health Economics and Financing - Issues of Resource Allocation" Plenary Session at the Health Law Teachers Conference, sponsored by the American Society of Law and Medicine and the Wharton School, University of Pennsylvania, June 2 - 4, 1988.

"Health Care Payment, Cost Containment, and Discharge Planning" Seminar sponsored by the American Hospital Association/Aetna, Barclay Hotel, Philadelphia, PA, June 24, 1988.

"Rationing Financial Resources Under Fiscal Restraint," Australian Institute of Health, Royal Canberra Hospital, Canberra, (August 15, 1988); University of Queensland, Brisbane (August 19, 1988); Macquarie University, Sydney (August 23 & 24, 1988); Monash University, Melbourne (August 26, 1988), Australia.

"Insurance, Information, Quality, and Medical Markets," Keynote Address, Health Economics Group 10th Annual Conference, Australian Economics Association, Canberra, Australia, September 3, 1988.

"Economics and the Healthcare System," presentation at a Special Conference for Fellows, sponsored by the Foundation of the American College of Healthcare Executives and Ernst & Whinney, San Diego, California, September 26-27, 1988.

"Delivery and Financing of Alcoholism Treatment," paper presented at the Workshop on Health Economics of Prevention and Treatment of Alcohol-Related Problems," sponsored by the National Institute on Alcohol Abuse and Alcoholism/National Center for Health Services Research (NIAAA/NCHSR), Rockville, MD, September 29-30, 1988.

"Health Care Issues and American Economic Growth: Innovation in Financing Health Care," paper presented at the 1988 Karl Eller Center Business/Academic Dialogue, December 2-3, 1988, on Health Care Issues and American Economic Growth, at the Hacienda Del Sol Ranch Resort in Tucson, Arizona.

"The Incidence of Health Insurance Costs: Is Everyone Out of Step But Economicists?" paper presented at the session on fringe benefits and public policy for the Industrial Relations Research Association at the Allied Social Science Associations annual meetings, New York, NY December 29, 1988.

"The Theory of the Non-Profit Firm: The Role of the Entrepreneur," paper presented at the American Economic Association Meeting December, 1988 session on The Private Non-Profit Sector in a Mixed Economy.

ACADEMIC PRESENTATIONS AND LECTURES, 1989

"Is Ethical Behavior a Luxury Good?" paper presented at the Cost Containment Conference, Washington University, St. Louis, Missouri, February 17 - 19, 1989.

"Demand for Long Term Care Insurance," paper presented at the University of Chicago's Center for the Study of the Economy and the State, Economic & Legal Organization Workshop, February 23, 1989.

"The Diffusion of Magnetic Resonance Imaging Among Hospitals," paper presented at the Economics of the Health Sector Session at the 1989 Eastern Economic Association meetings, Omni International Hotel, Baltimore, MD, March 3-5, 1989.

"Health Care Issues and the American Economic Growth: Innovation in Financing Health Care," paper presented at the Foundation of the American College of Health Care Executives Spring Fellows Conference, Boston, MA, April 6-7, 1989.

"Benign Moral Hazard and the Cost-Effectiveness Analysis of Insurance Coverage," paper (with Phil Held) presented at a seminar, Rutgers University, New Brunswick, NJ, April 11, 1989.

"Fee Schedules and Utilization," paper presented at Regulating Doctors' Fees: Costs, Competition, and Controls under Medicare conference sponsored by the American Enterprise Institute, Washington, DC, April 17-18, 1989.

"Book Reserving for Retiree Health Benefits: Economic Issues," paper presented at the Corporate Book Reserving for Postretirement Health Care Benefits symposium jointly sponsored by the Pension Research Council and the Actuarial Education and Research Fund, University of Pennsylvania, Philadelphia, PA, May 11, 1989.

"Competition in Health Insurance Markets," paper presented at Seminar on Antitrust and Health Care Policy Issues at Vanderbilt University, Nashville, TN, July 12-14, 1989.

"Health Care Rationing," talk given at the Midwestern Legislative Conference of the Council of State Governments, Radisson Hotel, St. Paul, MN, August 20-23, 1989.

"National Health Insurance and the Elderly's Slice of the Medical Care Pie," paper presented at a Symposium on National Health Insurance--It's Impact on the Elderly, sponsored by the Delaware Valley Geriatric Education Center, University of Pennsylvania, and Philadelphia College of Pharmacy and Science, with the Leonard Davis Institute, Philadelphia, PA, September 25, 1989.

"What's Wrong with the Current Policy Situation," paper presented at the Smith Kline & French Pharmaceutical Executive Management Program, Leonard Davis Institute of Health Economics, University of Pennsylvania, October 25, 1989.

"Seeking the Proper Balance: What Future for Medical Care Costs?," paper presented at Utah Health Insurance Association Symposium, University of Utah FHP Center for Health Care Studies, November 15-17, 1989, and at Memphis State University, December 4, 1989.

"The Effects of Malpractice Litigation on Physicians' Fees and Incomes," paper presented at the American Economic Association Annual Meeting, Atlanta, Georgia, December 28, 1989.

ACADEMIC PRESENTATIONS AND LECTURES, 1990

"National Health Insurance: Causes, Effects, and Probabilities," paper presented at Hoffman LaRoche, Nutley, New Jersey, January 9, 1990.

"What Will You the Doctor be Paid in the 1990's," paper presented at the Philadelphia County Medical Society, Philadelphia, Pennsylvania, January 10, 1990.

"Cost Effectiveness Analysis of Insurance Coverage," Inclen Meeting, Puebla, Mexico, January 19-23, 1990.

"Financing Substance Abuse Treatment: Economic Issues," presented at The Substance Abuse Problem: A Leadership Challenge for the Health Care Community, National Conference produced by The Graduate Program in Health Care Management, Wharton School of Business, University of Pennsylvania, February 9, 1990.

"Health Care, Economics, and the Future of Economical Health Care" presented at the Johnson & Johnson/Wharton Fellows Program in Management for Nurses, Advanced Education, University of Pennsylvania, March 11, 1990.

"The Value of Medicines: Concepts and Strategies," presented at Pfizer, Inc., New York, NY, March 14, 1990.

"Health Policy: What's Wrong? What's Needed?" Panelist, National Economists Club Educational Foundation, Washington, DC, March 16, 1990.

"Productivity, Costs, and Expenditures in the Medical Care Sector," presented at the Federal Reserve Bank of Cleveland's Fourth District Economists Roundtable, Cleveland, Ohio, May 4, 1990.

"Financing Treatment for Substance Abuse," presented at the National Institute on Drug Abuse (NIDA) Technical Review Meeting on "Economic Costs, Cost Effectiveness, Financing and Community-Based Drug Treatment," Rockville, MD, May 22-23, 1990.

"Responsible National Health Insurance," presented at the Treasury Department, Wellington, New Zealand, August 1990.

"The Normative and Positive Economics of Minimum Health Benefits," presented at the Second World Congress on Health Economics at the IEW University of Zurich, Zurich, Switzerland, September 10-14, 1990.

"Rational Rationing," presented at the NHHA Annual Meeting, at The Balsams, Dixville Notch, NH, September 16-18, 1990.

"Adverse Selection in Multiple Option Group Health Insurance," presented at the Health Economics Seminar and Journal Club at The Johns Hopkins University, Baltimore, MD, October 10, 1990.

PUBLICATIONS (Grouped by Subject):

A. Medical Care and Medical Insurance

Books and Monographs

1. Medical Care at Public Expense, Praeger Publishers, Inc., 1971.
2. An Analysis of National Health Insurance Proposals, Washington, DC, American Enterprise Institute, 1971.
3. The Role of the Private Sector in National Health Insurance, Washington, DC, Health Insurance Institute, 1978.
4. Doctors and Their Workshops, University of Chicago Press, 1980.
5. National Health Insurance: What Now, What Later, What Never? (editor), Washington, DC, American Enterprise Institute, 1980.
6. Controlling Medicaid Costs: Federalism, Competition, and Choice (with T. Grannemann), Washington, DC, American Enterprise Institute for Public Policy Research, 1983.
7. Lessons from the First Twenty Years of Medicare: Research Implications for Public and Private Sector Policy, (edited with William L. Kissick), University of Pennsylvania Press, Philadelphia, PA, 1988.

Articles

1. "The Economics of Moral Hazard," American Economic Review, June, 1968, 533-39.
2. "Effects of Reimbursement Schemes on Hospital Operations," (with D.F. Drake), paper presented at the Second Conference on the Economics of Health, Baltimore, December, 1968, in H.E. Klarman, ed., Empirical Studies in Health Economics, (Johns Hopkins University Press, 1970), 297-319.
3. "The Welfare Cost of Health Insurance," Health Services Research, Winter, 1969, 281-91.
4. "The Welfare Economics of Community Rating," Journal of Risk and Insurance, September, 1970, 310-21.
5. "Efficiency, Incentives, and Reimbursement for Health Care," Inquiry, March, 1970, 114-31.
6. "An Analysis of Public Health Insurance Plans for Poor Families," Public Policy, Summer, 1971, 489-522.
7. "The Not-for-Profit Hospital as a Physicians' Cooperative," American Economic Review, March, 1973.
8. "Indemnity Insurance for Health Services Efficiency," Business and Economic Bulletin, Fall, 1971, 53-59.
9. "Alternative Models of Non-profit Monopolies," paper prepared for American Enterprise Institute Conference on Health Planning, June, 1972, in C. Havighurst, ed., Regulating Health Facilities Construction, (1974).
10. "Profits, Physicians, and Hospital Capital Investment," Journal of Human Resources, Winter, 1974.
11. "Economic Incentives for Consumer Use of Medical Care," in S. Mushkin, ed., Consumer Incentives for Health Care (Produst, 1974).
12. "Group Health Insurance as a Local Public Good" (with G.S. Goldstein), in R. Rosett, ed., The Role of Health Insurance in the Health Services Sector (1976).
13. "Health Insurance and Hospital Behavior," in C.M. Lindsay, ed., New Directions in Public Health Care (1976).
14. "Is Medical Care Different?" paper prepared for Federal Trade Commission Conference on Competition in the Health Care Sector, published in W. Greenberg, ed., Competition in the Health Care Sector: Past, Present and Future, 1978.
15. "Medical Staff Characteristics and Hospital Costs," Journal of Human Resources, Supplement, 1978.

16. "The Ethics and Economics of Kickbacks and Fee Splitting," Bell Journal of Economics, Spring, 1979.
17. "Overinsurance: The Conceptual Issues," in M. Pauly, ed., National Health Insurance: What Now, What Later, What Never? American Enterprise Institute, 1980.
18. "Managing the Physician: Economic Theory," presented at Symposium on Hospital Affairs, University of Chicago, June 1, 1979, published in conference proceedings.
19. "National Health Insurance: Government Regulation or Consumer Choice?" Bulletin, American College of Surgeons, May, 1980.
20. "What is Unnecessary Surgery?" Health and Society, winter, 1979.
21. "Hospital Characteristics, Physician Productivity, and Fee Levels," in N. Greenspan, ed., Issues in Physician Reimbursement, U.S. Health Care Financing Administration, Washington: 1981. Reprinted in Scheffler and Rossiter, eds., Research in Health Economics, Vol. 3 (Greenwich: JAI Press, 1982).
22. "The Pricing of Primary Care Physicians' Services: A Test of the Role of Consumer Information" (with M. Satterthwaite), Bell Journal of Economics, Autumn, 1981, pp. 488-506.
23. "Cost Functions for a Service Firm with Variable Quality and Stochastic Demand" (with B. Friedman), Review of Economics and Statistics, November, 1981.
24. "Charging the Victim: An Evaluation of Reimbursement Policy in the U.S. End Stage Renal Disease Program" (with P. Held), in Helpman, ed., Social Policy Evaluation: An Economic Perspective, New York: Academic Press, 1983.
25. "Research on Competition in the Financing and Delivery of Health Services: Future Research Needs" (with K. Langwell), edited by L. Rossiter, USDHHS, NCHSR, Pub. No. 83-3328-2, October, 1982; summary appeared in Inquiry 20(2):142-161.
26. "Pro-competitive Health Insurance Proposals and Their Implications for Medicare's End Stage Renal Disease Program" (with R. Bovbjerg and P. Held), Seminars in Nephrology, January, 1982.
27. "Incentives and Ambulatory Surgery" (with L. Burns), in L. Burns, ed., Ambulatory Surgery, Aspen, 1984.
28. "More on Moral Hazard," Journal of Health Economics, 2(1):81-86, May, 1983.
29. "Competition and Efficiency in the End Stage Renal Disease Program" (with P. Held), Journal of Health Economics, 2(2):95-118, August, 1983.
30. "The Economics of Cystic Fibrosis," in J. Lloyd-Still, ed., Textbook of Cystic Fibrosis (Littleton, Mass.: John Wright PSG, Inc.) August, 1983.

31. "A New Approach to Hospital Cost Functions and Some Issues in Revenue Regulation" (with B. Friedman), Health Care Financing Review, March, 1983, 4(3):105-114.
32. "Continuous Ambulatory Peritoneal Dialysis: Preliminary Evidence in the Debate" (with P. Held, L. Diamond, and R. Bovbjerg), Health Affairs, Summer, 1983, 2(2):96-102.
33. "Is Cream Skimming a Problem for the Competitive Medical Market?" Journal of Health Economics, April, 1984; 3(1):88-95.
34. "Equity and Costs," Law, Medicine and Health Care, February, 1985, 13(1). Reprinted in Deborah Mathieu, ed., Organ Substitution Technology--Ethical, Legal and Public Policy Issues, Westview Press, Boulder, CO & London, 1988.
35. "Policy Lessons from Studying Hospital Costs," Business and Health, Washington, DC, September, 1985.
36. "What is Adverse About Adverse Selection?" in Advances in Health Economics and Health Services Research, (6):281-286, JAI Press, Inc., 1985.
37. "Reflections on Using Physician Agents to Minimize the Cost of Health," editorial, Journal of Health Economics, 4:79-81, 1985.
38. "Taxation, Health Insurance, and Market Failure in the Medical Economy," Journal of Economic Literature, 24:629-675, June 1986.
39. "Physician Payment Reform: Who Shall Be Paid?" (with Kathryn Langwell). Prepared for Project HOPE Center for Health Affairs, Forum on Health Care Financing Administration Funded Research, January, 1985, Medical Care Review, 43(1):101-132, Spring, 1986.
40. "Returns on Equity for Not-for-Profit Hospitals," Health Services Research, 21:1-16, April, 1986.
41. "Bad Debts and Hospital Rate-Setting," Journal of Health Politics, Policy, and Law, 11:1, Spring 1986, pp. 67-81.
42. "Estimating Hospital Costs: A Multiple-Output Analysis" (with T. W. Grannemann and R.S. Brown), Journal of Health Economics, 5(1986) 1-7-127, North Holland.
43. "Some Observations on Greater Competition in the German Health Insurance System from a U.S. Perspective" (with Jorg Finsinger and Kornelius Kraft, IIM), Managerial and Decision Economics, Vol. 7, pp. 151-161, 1986.
44. "Hospital Output Forecasts and the Cost of Empty Hospital Beds," Health Services Research, 21(3):403-428, August, 1986.
45. "Cost and Price of Comparable Branded and Generic Pharmaceuticals" (with B. Bloom and D. Wierz), JAMA, Vol. 256, No. 18, November 14, 1986.

46. "Advent and Implications of For-Profit Delivery," in Frank B. McArdle, ed., The Changing Health Care Market, Employee Benefit Research Institute (EBRI), Washington, DC, 1987, pp. 47-60.
47. "Survival Analysis of Patients Undergoing Dialysis" (with P. Held and L. Diamond), JAMA, Vol. 257, pp. 645-650, February 6, 1987.
48. "The Changing Health Care Environment," in Contemporary Considerations in the Treatment of Hypertension: Cost, Efficacy, and Preference, Proceedings of a Symposium held September 14, 1986, Smithsonian Institution, Washington, DC, American Journal of Medicine, Vol. 81(6).
49. "Nonprofit Firms in Medical Markets," American Economic Review 77(2):257-262, May 1987.
50. "Paying a Return on Equity to Not-For-Profit Hospitals: Some Further Thoughts," Health Services Research, 22:271-275, June 1987.
51. "How Will Changes in Physician Payment by Medicare Influence Laboratory Testing?" (with J.M. Eisenberg and L.P. Myers), JAMA, August 14, 1987, 258(6):803-808.
52. "Monopsony Power in Health Insurance: Thinking Straight While Standing on Your Head," editorial in Journal of Health Economics, 6(1987):73-81.
53. "Privatization and Bidding in the Health Care Sector" (with R.R. Bovbjerg and P.J. Held), Journal of Policy Analysis and Management, Vol. 6, No. 4, pp. 648-666, Summer, 1987.
54. Catastrophic Health Insurance for the Elderly," Medical Practice Management, Vol. 3, No. 1, Summer, 1987, pp. 11-16.
55. "Is Medical Care Different? Old Questions, New Answers" in Warren Greenberg, ed., special issue of the Journal of Health Politics, Policy and Law, entitled Competition in the Health Care Sector: Ten Years Later. Vol. 13, No. 2, pp. 227-237, Summer, 1988. Reprinted in Competition in the Health Care Sector: Ten Years Later, Duke University Press, Durham, NC and London, 1988.
56. "A Primer on Competition in Medical Markets," in Ted Frech, ed., Health Care in America, Pacific Research Institute, San Francisco, CA, Spring, 1988, pp. 27 - 71.
57. "More Market in the West German Health Care System: Comments from a U S Perspective." Journal of Institutional and Theoretical Economics, Vol. 144, No. 2, pp. 407-411, April 1988.
58. "Medicare and the Health Care Costs of Retirees: Problems in Choosing the Future" in Susan M. Wachter, ed., Social Security and Private Pensions: Providing for Retirement in the 21st Century, Lexington Books of D.C. Heath & Company, Lexington, Massachusetts, 1988, pp. 149-173.
59. "Reply," J. of Health Economics, Vol. 7, No. 1, March, 1988, pp. 85-87.
60. "Market Power, Monopsony, and Health Insurance Markets," Journal of Health Economics, Vol. 7, September, 1988, pp. 111-128.

61. "Hospital Finance and the Behavior of American For-Profit and Not-For-Profit Hospitals," E.G. Furubotn and R. Richter, eds., in the Some Views on Hospital Finance: United States of America, West-Germany and Switzerland, Center for the Study of the New Institutional Economics, Universitat des Saarlandes, Saarbrucken, West Germany, Occasional Papers Vol. 1, Summer, 1988, pp. 1 - 43.
62. "Efficiency, Equity, and Costs in the U.S. Health Care System," in American Health Care: What are the Lessons for Britain? IEA Health Unit Paper No. 5, London, 1988, pp. 22-45.
63. "Access to Kidney Transplantation: Has the U.S. Eliminated Income and Racial Differences?" (with P.J. Held, R.R. Bovbjerg, J. Newmann, O. Salvatierra, Jr.) Archives of Internal Medicine, Vol. 148, December, 1988, pp. 2594 - 2600.
64. "Positive Political Economy of Medicare, Past and Future," in Mark V. Pauly and William L. Kissick, eds., Lessons From the First Twenty Years of Medicare: Research Implications for Public and Private Sector Policy, University of Pennsylvania Press, Philadelphia, PA, 1988.
65. "Optimal Public Subsidies of Nursing Home Insurance in the United States," Geneva Papers on Risk and Insurance, Switzerland, Vol. 14, No. 50, January, 1989.
66. "The Incidence of Health Insurance Costs: Is Everyone Out of Step But Economists?" IRRA proceedings of the 41st Annual Meeting, New York City, NY, December 29, 1988, pp. 387-410.
67. "How Do Financial Incentives Affect Physicians' Decisions, Resource Use and Financial Performance in Health Maintenance Organizations?" (with Alan L. Hillman and Joseph J. Kerstein), The New England Journal of Medicine, Vol. 321, 7/13/89, pps. 86-92.
68. "Insurance, Information, Quality, and Medical Markets," in Economics and Health: 1988, Proceedings of the Tenth Australian Conference of Health Economists, Public Sector Management Institute, Faculty of Economics and Politics, Monash University, Melbourne, Australia, pps. 45-55.
69. "Competition in Health Insurance Markets," Law and Contemporary Problems, 51(2):237-271, Spring, 1988.
70. "The Rational Nonpurchase of Long-Term-Care Insurance." Journal of Political Economy, 1990, Vol. 98, No. 1, pps. 153-168.
71. "Price of Dialysis, Unit Staffing, and Length of Dialysis Treatments," American Journal of Kidney Diseases, Vol. XV, No. 5 (May), 1990; pps. 441-450.
72. "Compensation and Productive Efficiency in Partnerships," (with M. Gaynor), Journal of Political Economy, 90 (June, 1990), pp. 544-573.

Notes and Comments

1. "Financing Implications of National Health Insurance: Comment," paper given at a conference of National Health Insurance at the University of Pennsylvania, November, 1970, in R. Eilers and S. Moyerman, eds., National Health Insurance (Irwin: 1971).
2. "Objectives for Changing Physician Payment," commentary on article by John Holahan, Frontiers of Health Services Management, Fall (August), 1989 issue.

B. Public Finance

Articles

1. "Mixed Public and Private Financing of Education: Efficiency and Feasibility," American Economic Review, March, 1967, 120-30, reprinted in J. Buchanan and R. Tollison, eds., Reading in Public Choice, 1972.
2. "Clubs, Commonality, and the Core," Economica, August, 1967, 314-24.
3. "Optimal Provision of Public Goods Under Non-Optimal Taxes" (with D.B. Johnson), Economics, August, 1969.
4. "Efficiency in the Provision of Consumption Subsidies," Kyklos, No. 1, 1970, 33-57.
5. "On the Incidence of Tax Deductibility" (with J.M. Buchanan), National Tax Journal, May, 1970, 269-76, reprinted in Buchanan and Tollison, op.cit.
6. "Optimality, Public Goods, and Local Governments," Journal of Political Economy, May, 1970, 572-85.
7. "Cores and Clubs," Public Choice, Winter, 1970, 53-65.
8. "Income Redistribution as a Local Public Good," Journal of Public Economics, Spring, 1973, 35-58.
9. "Urban Public Finance Theory: Some Recent Developments and Some Unanswered Questions," paper prepared for International Public Finance Association Meeting, September, 1972, Public Finance, Spring, 1973.
10. "A Simple Model of Local Government Net Public Benefit Capitalization," Journal of Public Economics, March, 1977.
11. "The Effect of Tax and Expenditure Limitations on Property Values" (with G.S. Goldstein), National Tax Journal, Supplement, December, 1979.
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