

## APPENDIX F: BIBLIOGRAPHY

- Akin, Gib and David Hopelain, 'Information Systems for Organizational Productivity," Computer Personnel, 10(3):4-1 1, April 1986.
- American Hospital Assoc., Hospital Computer Systems Planning: Preparation of Request for Proposal, Chicago, IL, 1980.
- American National Standards Inst., American National Standard for Information Systems-Programming Language-MUMPS, (New York: ANSI, 1984).
- Anderson, J. and Forsythe, J.M. (eds.), Information Processing of Medical Records. Proceedings of the IFIP-TC4 Working Conference on Information Processing of Medical Records, Lyon, France, 6-10 April 1970 (Amsterdam: North Holland Publishing Company, 1970).
- Anderson, Leroy F., "Realizing the Benefits of an Information System," Healthcare Financial Management, 37(6):38-43, June 1983.
- Ball, Marion J. Ed.D. & Kathryn J. Hannah, R. N., Ph. D., with the assistance of James D. Browne, Ph.D. Using Computers in Nursing, (Reston, VA: Reston Publishing Company, Inc., 1984).
- Bleich, Howard L., M. D., Robert F. Beckley, Gary L. Horowitz, M. D., et. al., "Clinical Computing in a Teaching Hospital," The New England Journal of Medicine 312:756-764, Mar. 21, 1985.
- Blide, Leslie A., R. R. A., Ed. D., "Computers and Change in Hospitals: Predictions for the Future," Topics in Health Record Management 8(1):57-63, September 1987.
- Boehm, Barry W., "Improving Software Productivity," Computer, September 1987, pp. 43-57.
- Booz-Allen & Hamilton, Inc., Decentralized Hospital Computer Prom-am and Integrated Hospital System Comparability Study. Medical Information Research Management Office, Department of Medicine and Surgery, Veterans Administration, IQC Contract V-101 -93 P1097 (Bethesda, MD, February 1987).
- Brannigan, Vincent, J. D., "Can the Computer Commit Medical Malpractice?" Professional Liability Newsletter, 8(2):2-5,12, July 1986.
- Brannigan, Vincent, "Compensation or Regulation: The Problem of Medical Computer Software," Journal of Consumer Policy, 6:475-481, (United States: D. Reidel Publishing Company, 1983).
- Brannigan, Vincent, "The Regulation of Medical Expert Computer Software As A 'Device' Under the Food, Drug, and Cosmetic Act," Jurimetrics Journal, Summer 1987 (n.p.).
- Brannigan, Vincent, M., J.D. & Ruth E. Dayhoff, M. D., "Liability for Personal Injury Caused by Defective Medical Computer Programs," American Journal of Law & Medicine 7(2):123-144, Summer 1981.
- Brannigan, Vincent, M., J.D. & Ruth E. Dayhoff, M. D., "Medical Informatics: The

- Revolution in Law, Technology, and Medicine," The Journal of Legal Medicine 7(1):1-53, 1986.
- Brooks, Frederick P., Jr., "No Silver Bullet: Essence and Accidents of Software Engineering," Computer, April 1987, pp. 71-80.
- Casatelli, Christine, "OMB Sets Ground Rules on ADP Acquisitions," Federal Computer Week, May 11, 1987.
- Chen, Richard M. D., "Hospital Information System Design," Journal of Systems Management, 35(5)24-28, May 1984.
- Childs, Bill W., (cd.), Healthcare: Computing and Communications, 4(4), April 1987.
- Coffey, Rosanna M., How a Medical Information System Affects Hospital Costs: The El Camino Hospital Experience, U.S. Department of Health, Education, and Welfare, DHEW Publication No. (PHS) 80-3265, Hyattsville, MD: March 1980,
- Cohen, Gerald S. (cd.), Computer Applications in Medical Care, Proceedings of the Eighth Annual Symposium on Computer Applications in Medical Care. (Washington, D. C., November 1984).
- Cooper, R.M. and John F. McGuire, 'Automating the Veterans Administration% Hospitals using MUMPS,'? Computer Use in Social Services Network: Networking: The Linking of People. Resources. and Ideas 4(2):5. Summer 1984.
- Coopers & Lybrand, Phase III-Final Report: Data Analysis and Evaluation. Report submitted to the Veterans Administration as required by VA Contract V101 (93) P-1033, Oct. 21, 1985.
- Dayhoff, Ruth E., M.D. (cd.), Quarterly Mug, MUMPS: Investment for the 1990%: Proceedings of the MUMPS Users' Group Meeting, 1987, Atlanta, GA, (College Park, MD: MUMPS Users' Group, 1987).
- Deloitte Haskins-Sells, Demonstration Implementation Plan For An Integrated Hospital Information System, Medical Information Resource Management Office, Department of Medicine and Surgery, Veterans Administration, Contract No. V101(93)P-867, May 1983.
- Deloitte Haskins-Sells, Evaluation Methodologies: Level One Methodology-System vs System Evaluation, Medical Information Resource Management Office, Department of Medicine and Surgery, Veterans Administration, Contract No. V101(93)P-867, February 1983.
- Deloitte Haskins-Sells, Evaluation Methodologies: Level Two Methodology -VAMC Implementation, Medical Information Resource Management Office, Department of Medicine and Surgery, Veterans Administration, Contract No. V101(93)P-867, June 1983.
- Deloitte Haskins-Sells, Functional Capabilities of Core Systems Operational in VA Medical Centers: Report, Medical Information Resource Management Office, Department of Medicine and Surgery, Veterans Administration, Contract No. V101(93)P-867, Aug. 9, 1982.

- Dorenfest, Sheldon, 'Despite Interest, Nation% Hospitals Slow to Buy Patient Care Systems,' Modern Health Care, Jan. 30, 1987.
- Doyle, Owen, Charles J. Austin, and Stephen L. Tucker, Analysis Manual for Hospital Information Systems, (United States: Aupha Press, 1980).
- Dutton, L. J., and D.S. Nice, Hospital Information Systems for Clinical and Research Applications: A Survey of the Issues, Naval Health Research Center, Report No. NAVHLTHRSCHC-83-25, San Diego, CA: June 1983.
- Essin, Daniel J., M. D., "Mumps: More Than A Language?" Software in Healthcare, 5(4) 35-40, August-September 1987.
- Farley, Dean E. Competition Among Hospitals: Market Structure and Its Relation to Utilization, Costs and Financial Position, U.S. Department of Health and Human Services, DHHS Publication No. (PHS) 85-3353 (Rockville, MD: August 1985).
- Friedman, Bruce A., M. D., "The Clinical Laboratory Computer as a Communications Link in a Teaching Hospital," Medical Computing, February, 1985 (n.p.).
- Friedman, Bruce A., M. D., "Pathologists, Computers, and Control of the Clinical Laboratory Database," Pathologist 40(9), September, 1986.
- Friedman, Bruce A., M. D., "Potential Applications for Computer Monitoring of Blood Utilization in Hospitals," Proceedings of the Sixteenth Annual Hawaii International Conference on System Sciences, 1983.
- Friedman, Bruce A., M. D., "Some Personal Observations on Differing Goals and Objectives in the Planning of Hospital Information Systems," SCAMC Proceedings, 1985.
- Friedman, Bruce A., M. D., "A Technique for Monitoring the Placement of Computer-Generated Laboratory Reports in Patients' Medical Records," SCAMC Proceedings, 1983.
- Friedman, Bruce A., M.D. and James B. Martin, Ph. D., "clinical HIS: The Physician% Role," Software in Healthcare, June/July 1987.
- Friedman, Bruce A., M.D. and James B. Martin, Ph. D., "Hospital Information Systems: The Physician% Role," Journal of the American Medical Association 257(13)1792, Apr. 3, 1987.
- Grams, Ralph R., M. D., "Best Overall Performance: The HIS Awards," Computers in Healthcare 6(3):27-28, March, 1985.
- Grimm, Vanessa 30, 'WA Hospitals Await Release of \$35 Million for Hardware,' Government Computer News, Vol. 4, May 8, 1987.
- Hedge, Melville H, Health Planning Review of Medical Information Systems, U.S. Department of Health and Human Services, DHHS Publication No. (PHS) 81-3303 (Hyattsville, MD: May 1981).
- Hosinski, Joan, 'VA Planning to Replace Data Transmission System,' Government Computer News, June 19, 1987.

- Joyce, Ed, 'Software Bugs: A Matter of Life and Liability,' Datamation, May 15, 1987.
- Kadash, Ken, 'There Are Differences in System Capabilities...' (interview with Don Trammell, vice president-field operations for-Health Information Systems, Inc., in Computers in Healthcare 5(12):46,49, December 1984.
- Kemerer, Chris F., 'An Empirical Validation of Software Cost Estimation Models,' Communications of the ACM 30(5), May 1987.
- Kjerulff, Kristen H., Michael A. Counte, Jeffrey C. Salloway, Bruce C. Campbell, and Diane E. Noskin, 'Medical Information System Training: An Analysis of the Reactions of Hospital Employees,' Computers and Biomedical Research 17(6):303-310, (United States: Academic Press, 1984).
- Lewis, Thomas L., M.D. and Gerald C. Macks, Computer Applications in Medical Care and Clinical Research: A Physician's Perspective, The Clinical Center, The National Institutes of Health, (Bethesda, Maryland: 1980).
- Lewis, Thomas L., M.D. and Gerald C. Macks, Computer Based Hospital Information System, Department of Health, Education, and Welfare, PublicHealth Service, National Institutes of Health, (Bethesda, Maryland: 1986).
- Lincoln, Thomas L., M. D., 'Health Care and the Sociotechnical Workplace,' Archives of Pathology and Laboratory Medicine 110-306, April 1986.
- Lincoln, Thomas L., and Ralph A. Korpman, "Computers, Health Care, and Medical Information Science," Science 210(4467):257-263, October 17, 1980.
- Locke, Benjamin C., and Richard H. Fiddleman, Hospital Information Systems: A State of the Art Report, (McLean, VA: Mitre Corp., MTR-81W315, May 1982).
- Malvey, Mari, Simple Systems, Complex Environments: Hospital Financial Information Systems, (California: Sage Publications, 1981).
- Masud, Sam, "McDonnell, Dec Vie: VA CPU Net Plans Caught in Political Fray," Electronic News, April 20, 1987.
- McDonnell Douglas Corp., An Integrated Hospital System Solution for Veterans Administration Medical Centers: Executive Overview, November-December 1986.
- Miller, Randolph A., M.D., Kenneth F. Schaffner, Ph.D. and Alan Meisel, 3. D., "Ethical and Legal Issues Related to the Use of Computer Programs in Clinical Medicine," Annals of Internal Medicine 102:529-536, 1985.
- National Science Foundation, Directorate for Computer and Information, Science and Engineering, Division of Computer and Computation Research: Fiscal Year 1986 Summary of Awards.
- Norris, John A., J. D., M.B.A. and David S. Szabo, J. D., "Removing Some Impediments to Development of America's Third- and Fourth-Generation Health Care Delivery Systems: Legal Aspects of Computer Medicine," American Journal of Law and Medicine 7(2)iii-viii, 1981.

- Price Waterhouse, Cost/Benefit Analysis for Eight Modules of the Decentralized Hospital Computer Program, Report prepared for the Veterans Administration, June 3, 1987
- Price Waterhouse & SysMetric, Inc., Post Implementation Evaluation of DHCP Initial Core System, Final Report prepared for the Veterans Administration, May 1986.
- Prospective Payment Assessment Commission, Report and Recommendations to the Secretary, U.S. Department of Health and Human Services, Apr.1, 1987.
- Prospective Payment Assessment Commission, Technical Appendixes to the Report and Recommendations to the Secretary, U.S. Department of Health and Human Services, April 1, 1987.
- Stefanchik, Michael F., (ed.), Computers in Healthcare, Special Edition: The World of MUMPS 8(6), May 1987.
- Stefanchik, Michael F., (cd.), Computers in Healthcare 8(8), July 1987.
- Underhill, Lisa H., M.S. and Howard L. Bleich, M. D., 'Bringing the Medical Literature to Physicians: Self-Service Computerized Bibliographic Retrieval,"The Western Journal of Medicine 145(6):853-858, December 1986.
- U.S. Congress, General Accounting Office, ADP Systems: Concerns About the Acquisition Plan for DOD% Composite Health Care System, Report to the Congress, March 1986, GAO/IMTEC-86-12, Washington, D. C., 1986.
- U.S. General Accounting Office, ADP Systems: Examination of Non-Federal Hospital Information Systems, Staff Study, June 30, 1987, GAO/IMTEC-87-21, Washington, D. C., 1987
- U.S. Congress, General Accounting Office, ADP Technical Assistance: DOD% Remedial Actions on Its Contract With Electronic Data Systems, Report to the Chairman, Committee on Veterans' Affairs, U.S. House of Representatives, January 1986, GAO/IMTEC-86-3, Washington, D.C.
- U.S. Congress, General Accounting Office, Computer Systems: VA'S Target Project Never Achieved Redesign of its Processing Software, Briefing Report to the Chairman, Committee on Veterans Affairs, U.S. House of Representatives, August 1986, GAO/IMTEC-86-30BR, Washington, D.C.
- U.S. Congress, General Accounting Office, Computerized Hospital Medical Information Systems Need Further Evaluation to Ensure Benefits from Huge Investments, Nov. 18, 1980, GAO/AFMD 81-3, Washington, D.C.
- U.S. Congress, General Accounting Office, Financial Management: An Assessment of the Veterans Administration% Major Processes, Report to the Chairman, Committee on Veterans Affairs, U.S. Senate, June 1986, GAO/AFMD-86-7, Washington, D.C.
- U.S. Congress, General Accounting Office, Financial Management: An Assessment of the Veterans Administration% Major Processes, Report to the Chairman, Committee on Veterans' Affairs, U.S. Senate, Sept. 30, 1986, GAO/AFMD-86-7, Washington, D.C.
- U.S. Congress, General Accounting Office, Hospital ADP Systems: VA Needs to Better Manage Its Decentralized System Before Expansion, Report to the Chairman,

Committee on Veterans' Affairs, U.S. House of Representatives, July 1987, GAO/IMTEC-87-28, Washington, D.C.

- U.S.** Congress, General Accounting Office, Veterans Administration Financial Management Profile; Report to the Chairman, Senate Committee on Veterans' Affairs, Sept. 20, 1985, GAO/AFMD-85-34, Washington, D. C., 1985.
- U.S. Congress, House Appropriations Committee, Veterans Administration: Medical Computer Programs, prepared by the Investigative Staff of the House Appropriations Committee, Dec. 3, 1986.
- U.S. Congress, House Appropriations Committee, Department of Housing and Urban Development - Independent Agencies Appropriations for 1979: Part 2- Veterans Administration, hearing before a subcommittee of the House Committee on Appropriations; Washington, D. C.: U.S. Government Printing Office, 1978.
- U.S. Congress, House Committee on Government Operations, Veterans Administration Planning for Medical Automated Data Processing Needs, hearing before a subcommittee of the House Committee on Government Operations, Sept. 4, 1980, (Washington, D. C.: U.S. Government Printing Office, 1980).
- U.S. Congress, House Committee on Science and Technology, Information Technologies in the Health Care System, hearing before the Subcommittee on Investigations and Oversight, April 21, 1986, (Washington, D. C.: U.S. Government Printing Office, 1986).
- U.S. Congress, House Committee on Veterans' Affairs, Computer Systems for the Veterans' Administration and Procurement Practices, hearings before the Subcommittee on Special Investigations, Apr. 15, May 1, 29, and Sept. 24, 1980 (Washington, D.C.: U.S. Government Printing Office, 1981).
- U.S. Congress, House Committee on Veterans' Affairs, Hearing on the Veterans' Administration's Decentralized Hospital Computer Program, hearing before the Subcommittee on Hospitals and Health Care, Apr. 8, 1987 (Washington, D. C.: U.S. Government Printing Office, May, 1987).
- U.S. Congress, House Committee on Veterans' Affairs, VA Plans for Automated Data Processing, Office Automation, and Telecommunications Activities, hearing before the Subcommittee on Oversight and Investigations, Sept. 11 and 12, 1984, Serial no. 98-57 (Washington, D. C.: U.S. Government Printing Office, 1984).
- U.S. Congress, House and Senate Committees on Veterans' Affairs, Veterans' Benefits, Title 38-United States Code, as amended through January 3, 1985, (Washington, D. C.: U.S. Government Printing Office, Apr. 15, 1985).
- U.S. Congress, House and Senate Committees on Veterans Affairs, Veterans' Benefits, Title 38, United States Code and Related Material, as amended through May 1, 1986, (Washington, D. C.: U.S. Government Printing Office, May 1, 1986).
- U.S. Congress, Office of Technology Assessment, Automation of America's Offices: Summary, OTA-CIT-288, (Washington, D. C.: U.S. Government Printing Office, December 1985).
- U.S. Congress, Office of Technology Assessment, Computer Technology in Medical

Education and Assessment: Background Report, GPO stock no. 052-003-00704-5 (Washington, D. C., Sept. 1979).

U.S. Congress, Office of Technology Assessment, Federal Government Information Technology: Management, Security, and Congressional Oversight, OTA-CIT-297, (Washington, D. C.: U.S. Government Printing Office, February 1986).

U.S. Congress, Office of Technology Assessment, Federal Policies and the Medical Devices Industry, OTA-H-230, (Washington, D. C.: U.S. Government Printing Office, October 1984).

U.S. Congress, Office of Technology Assessment, Medical Devices and the Veterans Administration: A Technical Memorandum, OTA-TM-H-16, (Washington, D. C.: U.S. Government Printing Office, February 1985).

U.S. Congress, Office of Technology Assessment, Medicare% Prospective Payment System: Strategies for Evaluating Cost, Quality, and Medical Technology, OTA-H-262 (Washington, D. C.: U.S. Government Printing Office, October 1985).

U.S. Congress, Office of Technology Assessment, Policy Implications of Medical Information Systems, GPO stock no. 052-003-00496-8, (Washington, D. C., November 1977).

U.S. Congress, Senate Committee on Appropriations, Department of Housing and Urban Development, and Certain Independent Agencies: Appropriations for Fiscal Year 1985, hearings before a subcommittee of the Senate Appropriations Committee, Washington, D. C.: U.S. Government Printing Office, 1984.

U.S. Congress, Senate Committee on Veterans' Affairs, statement of Charles T. Hagel, Deputy Administrator, U.S. Veterans Administration, May 5, 1982

U.S. Congress, Senate Committee on Veterans' Affairs, statement of Thomas L. Lewis, M. D., Associate Director for Information Systems, The Clinical Center, The National Institutes of Health, May 5, 1982.

U.S. Congress, Senate Committee on Veterans' Affairs, Oversight on the VA's Automated Data Processing Policy, hearing on the role of management in planning for decentralized automated data processing systems at multiple VA hospital sites, May 5, 1982, (Washington, D. C.: U.S. Government Printing Office, 1982.)

U.S. Library of Congress, Congressional Research Service, Veterans' Programs: The FY88 Budget (by) Sharon House, updated by Anne C. Stewart, Education and Public Welfare Division, March 16, 1987.

U.S. Department of Commerce, National Bureau of Standards, Guidelines for Documentation of Computer Programs and Automated Data Systems for the Initiation Phase, Federal Information Processing Standards Publication 64 Aug. 1, 1979<sub>0</sub>

U.S. Department of Commerce, National Bureau of Standards, MUMPS, Federal Information Processing Standards Publication 125, Nov. 4, 1986.

U.S. Executive Office of the President, Office of Management and Budget, Discount Rates to be Used in Evaluating Time-Distributed Costs and Benefits, Circular No.

A-94, Revised, March 27, 1972

"V.A. Hospital Care is Assailed," New York Times, May 3.

The VA User-Built System: A New Paradigm for Software Development," Computer Age-EDP Weekly 5-7, July 11, 1987.

U.S. Veterans Administration, Associate Deputy Administrator for Management, Information Systems Strategic Plan: Fiscal Years 1987-1992, Washington, D. C., January 1987.

U.S. Veterans Administration, Department of Medicine and Surgery, Decentralized Hospital Computer Program, Request for Proposal for: Replacement Computer Configurations, Mar. 9, 1987.

U.S. Veterans Administration, Department of Medicine and Surgery, Medical Information Resources Management Office (MIRMO), DM&S ADP Plan: Fiscal Years 1985-1990, February 1985.

U.S. Veterans Administration, Memorandum from Director, Medical Information Resources Management Office, to ISC Directors regarding "Documentation Standards for DHCP Software," May 15, 1987.

U.S. Veterans Administration, Memorandum from Director, Medical Information Resources Management Office, to ISC Directors regarding "Policy and Guidelines for VA DHCP Programming Standards and Conventions," May 5, 1987.

U.S. Veterans Administration, Memorandum from Director, Medical Information Resources Management Office, to ISC Directors regarding "Policy and Guidelines for DHCP Software Verification," Dec. 9, 1986.

U.S. U.S. Veterans Administration, Office of the Inspector General, Audit of the Decentralized Hospital Computer Program (DHCP), Report No. 6AD-G07-1, Au% 22, 1986.

Watson, Bruce L., J. D., "Disclosure of Computerized Health Care Information: Provider Privacy Rights Under Supply Side Competition," American Journal of Law & Medicine (Boston Massachusetts: American Society of Law & Medicine, Inc., 1981).

Westin, Alan F., Computers, Health Records, and Citizen Rights, National Bureau of Standards Monograph 157, (Washington, D. C.: U.S. Government Printing Office, 1976).

Wyszewianski, Leon, J. William Thomas, and Bruce A. Friedman, "Case-Based Payment and the Control of Quality and Efficiency in Hospitals," Inquiry 24:17-25, Spring 1987.