## The Malpractice Question-What is Being Done?

 $\Box$  In a dramatic way, the malpractice crisis of last year brought directly before the public questions about the quality of health care that those of us engaged in the functioning of the system have been concerned with for many years.

☐ Beyond the sound and fury surrounding malpractice is the patient who, ultimately, seeks and accepts or rejects the services of medicine, law, and the insurance industry. Conversely, the patient is the one who will pay the extra costs, endure the inconveniences, and personally share the successes or failures of the medical profession.

□ The Health Resources Administration's National Center for Health Services Research has long been concerned with the issues of malpractice and their effect on the public. The Center has funded several efforts to investigate the malpractice phenomenon and the questions that surround it.

Center-funded projects include an analysis of lawyers' views of malpractice; a view of malpractice in Michigan; a look at "insurance pools" for covering malpractice; a study of legal issues in health care; an analysis of how health disputes are resolved; and an investigation of discipline in the medical profession. The Center has a medical malpractice information center that provides lists of resources and research assistance. It also funds conference grants for the development and evaluation of research programs on medical malpractice.

 $\Box$  However, knowing the problem is only one side of the coin. Finding the cause and effect, as well as the solutions to the questions, is the other. We in the Health Resources Administration see the quality of health care and the public's perception of that quality as the real root cause of the current malpractice dilemma.

□ The health industry is big business today. And, as the demand increases and the tempo quickens, we must constantly be concerned with methods and programs for monitoring, evaluating, and upgrading the systems of care that we use on a day-to-day basis.

□ Sophisticated technology has much to offer in helping the physician to do a better and more thorough job and in assuring a certain level of quality for the patient. The Center has funded grants and contracts to investigate and develop computer-based information systems that can be invaluable as a method of monitoring and auditing patient care. Properly designed computer systems can also help physicians in making diagnostic and therapeutic decisions. At the same time, these systems can be used as a tool to help patients understand their treatment, which is essential for selfcare patients such as diabetics.

□ Self-care is a new direction in health care that will have the corollary effect of reducing the number of malpractice complaints. The more involved patients become in their own diagnoses and treatment, the more likely it is that they will understand their particular treatment and its limitations.

□ Because we need to know more about the effectiveness of self-care programs, the Center has funded a 2-year controlled experimental program in an existing health maintenance organization in Boise, Idaho. The Center has also sponsored the first national conference on self-care research in March 1976; participated in a national survey care systems; and works others in the Department of Education, and Welfare in prehensive review of resea demonstration contracts in

□ We must begin to share ence of medicine with the most directly affected—the When we can look at our care system and see one th the physician all the techn help that he requires and al system with active patient pation, then perhaps mal will cease to be a crisis issue

> Kenneth M. **B** Admini Health Resources Admini

> > Cover—Two aspects HMOs are presented issue. One article em the reasons for termin HMOs funded before after the HMO Act v signed (pp. 496–503) another article descri survey undertaken to determine the compo subscribers to a rural group practice plan ( 504–507).





Editorial. The malpractice question—what is being done?  $\Box$  Kenneth M. Endicott (cover 2)

- 491 Untoward outcomes of health care—who is liable  $\Box$  Theodore Cooper
- **493** Federal health services grants, 1965–75 □ Daniel I. Zwick and Clyde J. Behney
- **496** Why some HMOs develop slowly □ George B. Strumpf and Marie A. Garramone
- 504 Composition of the subscribers in a rural prepaid group practice plan □ Gregory R. Nycz, Frederick J. Wenzel, Francis N. Lohrenz, and John H. Mitchell
- 508 Quantitative relationships between perceived and objective need for health care—dentistry as a model  $\Box$  Donald B. Giddon, Marilyn Mosier, Theodore Colton, and John S. Bulman
- 514 Screening and referral outcomes of school-based health services in a lowincome neighborhood  $\Box$  Shu-Ping May Lan, Regina Loewenstein, Calvin Sinnette, Constance Rogers, and Lloyd Novick
- **521** Design and test of a system for tracking referrals  $\Box$  Karl E. Bauman and Martie Coulter
- 526 Prevalence of *Toxoplasma gondii* antibodies among veterinary college staff and students, Iowa State University  $\Box W$ . J. Zimmermann
- 533 Schooling, occupational motivation, and personality as related to success in paramedical training □ Richard F. Booth, Evelyn G. Webster, and Michael S. McNally
- 538 Some economic and financial considerations of health and medical care among three-generational families  $\Box$  Theodor J. Litman
- 541 Youth health services at a resort  $\Box$  Patricia A. Ford
- 545 Home health services in New Hampshire  $\Box$  Frank A. Hale and Arthur R. Jacobs

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE David Mathews, PhD, Secretary

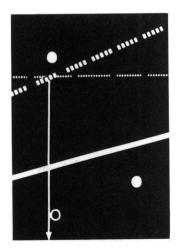
PUBLIC HEALTH SERVICE Theodore Cooper, MD Assistant Secretary for Health

HEALTH RESOURCES ADMINISTRATION Kenneth M. Endicott, MD, Administrator

PUBLIC HEALTH REPORTS Marian Priest Tebben, Editor Esther C. Gould, Assistant Executive Editor Virginia M. Larson, Managing Editor Don Meeker, Art Director Opinions expressed are the authors' and do not necessarily reflect the views of Public Health Reports or the Health Resources Administration. Trade names are used for identification only and do not represent an endorsement by the Health Resources Administration.

Address correspondence to:

Editor, Public Health Reports Room 9-53, Parklawn Bldg. 5600 Fishers Lane Rockville, Md. 20852 Telephone: Area code 301-443-2525





## PUBLIC TEPOTts

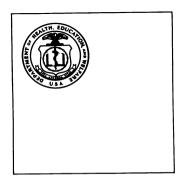
- 552 The Michigan Ambulatory Medical Care Survey  $\Box$  Richard G. Cornell, Larry E. Brown, and Thomas J. Tomberlin
- 556 Sample design for a survey of immunization levels of children in licensed day-care facilities in North Carolina □ Kathryn B. Surles and Paul W. C. Johnson
- 560 Accidental carbon monoxide poisonings in Colorado and Wyoming, 1971-73 □ E. P. Savage, J. W. Malberg, H. W. Wheeler, and J. D. Tessari
- 563 Bicentennial reprint. Public health administration and the citizen (June 12, 1914)  $\Box C. W. Stiles$

### PROGRAMS, PRACTICES, PEOPLE

- 565 Physicians must be warned on prescribing tranquilizers during first trimester
- 565 HRA awards contract for national study of medical care expenditures
- 566 ESR spectroscopy resource funded by NIH aids in probing living matter
- 566 1977 Conference on Transfer of Water Resources Knowledge
- 567 Society for Biomaterials meeting and 9th International Biomaterials Symposium
- 567 New book seeks to answer questions about civil rights of mentally disabled
- 567 Film on measuring blood pressure now available on free loan
- 567 Grant to study early diagnosis of cerebral palsy in infancy
- 568 Prostatic cancer in men can be detected by blood test
- 568 Bicentennial book traces U.S. health policy
- 568 Combined preventive measures further reduce tooth decay
- 569 International network set up by NLM for the exchange of biomedical information
- 569 Studies show increased risk of cancer among workers in metal-related occupations
- 570 HRA announces publication of "Health Care: an International Study"
- 570 3-year-old periodical "Alcohol Health and Research World" to go only to paid subscribers
- 571 New growth charts for American youngsters released by NCHS
- 571 "State and County Mental Hospitals, United States, 1973–74" issued by NIMH
- 571 Data on 9,080 cancer patients from N.Y. and Pa. hospitals for 1970-73 are available
- 572 Papers for health planners—monograph on health goals and standards issued by HRA
- 572 New breath test devised for impaired ability to digest milk
- 572 Bibliographies available from National Library of Medicine
- 573 Education notes
- 575 Publications
- 577 1976 index
- □ PHR bookshelf offer (cover 3)

### Subscription Information

To subscribe to *Public Health Reports*, send check or money order-\$2.05 per single issue, \$12.20 per year (6 issues), \$15.25 for foreign mailing to Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. All correspondence about paid subscriptions (for example, re change of address or failure to receive an issue) should also be addressed to the Superintendent of Documents.



U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE Public Health Service Health Resources Administration

76–1. Government / non-government funding of cancer detection and therapy. January 1973 through November 1975. 72 citations.

76-2. Amniocentesis. January 1973 through December 1975. 308 citations.

76-3. Nutrition and mental development. January 1973 through December 1975. 109 citations.

76-4. Human experimentation. January 1973 through December 1975. 291 citations.

76–5. Confidentiality of medical records. January 1973 through December 1975. 106 citations.

76–6. Ethnic and racial factors in hypertension. January 1973 through December 1975. 78 citations in English.

76–7. Medicine and health in China. January 1973 through December 1975. 279 citations.

76-8. Dental care for the handicapped. January 1973 through December 1975. 206 citations.

76–9. Problem-oriented medical records. January 1973 through December 1975. 174 citations. 76-10. Genetic counseling. February 1974 through December 1975. 366 citations. (Updates L.S. 74-3.)

76–11. Adverse effects of oral contraceptives as related to blood coagulation. January 1974 through December 1975. 148 citations.

76-12. Trauma and cancer. January 1973 through December 1975. 41 citations.

76–13. Attitude towards death. January 1974 through February 1976. 156 citations in English.

76-14. Water fluoridation. January 1974 through January 1976. 88 citations in English.

76-15. Hyperalimentation. January 1974 through January 1976. 234 citations.

76–16. Radiation-induced neoplasms. January 1974 through February 1976. 120 citations in English.

76–17. Sudden unexpected death in infants. January 1974 through March 1976. 159 citations.

76-18. Sudden cardiac death. January 1974 through March 1976. 277 citations.

76–19. Health services for adolescents. January 1974 through March 1976. 312 citations.

76-20. Aspirin and blood coagula-

tion. January 1974 through April 1976. 121 citations.

76-21. Pesticides and the ecosystem. January 1974 through April 1976. 95 citations in English.

76–22. Carcinoembryonic antigen and cancer. January 1974 through April 1976. 188 citations in English.

76–23. Histones and gene expression. January 1974 through April 1976. 55 citations.

76–24. Psychosurgery. January 1974 through April 1976. 252 citations.

76-25. Recombinant DNA. January 1974 through April 1976. 174 citations.

76–26. Sex roles: their influence on individual behavior and on social institutions. January 1974 through April 1976. 275 citations.

76-27. Herbal medicine. January 1974 through May 1976. 121 citations.

76–28. Licorice in the treatment of peptic ulcer. January 1974 through May 1976. 56 citations.

76-29. Swine influenza. January 1966 through May 1976. 148 citations.

76-30. Post-partum depression. January 1974 through May 1976. 44 citations.

76–31. Sarcoidosis. January 1974 through May 1976. 361 citations in English or with English abstract.

### education notes

Family Planning Training Institute. Through the Jessie Smith Noves Foundation, Inc., the Family Planning Institute of the Planned Parenthood Association of Maryland offers full and partial tuition scholarships for health professionals working in family planning or related areas to enable them to attend family planning workshops at the Institute during the period September 1976-June 1977. Workshops will be offered for all levels of family planning personnel. Some workshops are specifically designed for nurses and social workers. Special programs are also included on such topics as Adolescent Family Planning Service Delivery, Contraceptive Update, Techniques for Sex Education, and Interviewing and Counseling in Family Planning.

To be eligible, the person must be actively working in a family planning or allied health program. He or she must be a professional health worker, a term which is meant to include a broad range of personnel from outreach workers and aides to physicians. The scholarships are not available to consumers or volunteers. The training must help the person become better prepared to discharge his or her current family planning function. The trainee must be a U.S. citizen or have in his possession a visa permitting permanent residence in the United States.

Priority will be given to registrants from rural areas where there is a critical lack of trained manpower in family planning. Scholarships will not be awarded to persons from agencies having training funds for family planning. Travel and per diem expenses cannot be paid.

Application materials and the Institute's 1976-77 training calendar may be obtained by writing to Mrs. Mary L. Craig, Director, Family Planning Institute, 610 N. Howard St., Baltimore, Md. 21201, telephone (301) 685-0940.

Symposium on Biofeedback, Meditation, and Self-Regulatory Therapies. Public Programs and Continuing Education, School of Medicine, University of California, San Francisco, in cooperation with the Institute for the Study of Human Knowledge, is sponsoring a weekend symposium, January 22–23, 1977. The symposium has been approved for up to 12 hours of category I (formally constituted program) credit toward the American Medical Association Physician's Recognition Award. The fee is \$85.

For further information, write Ms. Mae Ling Yee, Continuing Education in Health Sciences, 1308 3d Ave., University of California, San Francisco, Calif. 94143, or call (415) 666-2894. New York State Society of Physicians' Assistants. The second annual conference of the New York State Society of Physicians' Assistants will be held February 26–27, 1977, at the Albany Hyatt House, Albany, N.Y. Nine hours of formal continuing medical education will be offered, and plans are underway to offer some self-teaching continuing medical education. Issues of importance to physicians' assistants nationally and in the northeastern United States will be discussed.

Persons desiring further information on registration should write New York State Society of Physicians' Assistants, 111 E. 210th St., Bronx, N.Y. 10467.

Research Fellowships to Sweden and Switzerland. The Swedish Medical Research Council and the Swiss National Science Foundation will each make available in 1977 three research fellowships to qualified biomedical scientists, the Fogarty International Center has announced. These fellowships will provide postdoctoral training in basic or clinical areas of medical research.

To be eligible, candidates must be U.S. citizens and have been engaged in independent responsible research in one of the health sciences for at least 2 of the past 4 years. They must present evidence of aptitude and promise in basic sciences or clinical research, have an active interest in pursuing a research career in a health science field, and provide evidence of acceptance by a training institution and preceptor.

The Swiss fellowship may begin any time between September 1977 and April 1978; the Swedish fellowship must be started within 10 months of the date of its award. The fellowship dates are to be set by mutual agreement of applicant and institution.

Stipends for the Swedish grants range from \$10,000 to \$13,600 per year, depending upon the number of years of postdoctoral research experience the person has at the time of the award. Stipends for the Swiss grants range from \$9,000 to \$11,400, depending upon the person's age and experience at the time of the award. In addition, the Swiss grants provide approximately \$1,450 for the spouse, \$480 for each child, and a cost-of-living adjustment.

Application materials may be obtained from Scholars and Fellowships Program Branch, Fogarty International Center, National Institutes of Health, Bethesda, Md. 20014. For further information contact Mrs. Fineham (301) 496-6056. The deadline for receipt of applications is January 1, 1977. All correspondence with the Fogarty International Center concerning these fellowships must be clearly marked for either "Swedish Medical Research Council Fellowship" or "Swiss National Science Foundation Fellowship." Courses to train physicians for positions of organizational leadership. The American Academy of Medical Directors, in cooperation with the American Group Practice Foundation, has been awarded a 3-year grant by the Robert Wood Johnson Foundation to train physicians for positions of organizational leadership.

Two 5-day courses will be conducted in 11 locations throughout the country. Each course has been designed to provide the physician with the perspective. insights, and skills of management necessary in fulfilling such roles as chief medical executive, medical director, vice president of professional affairs, and other similar positions. The faculty will consist of recognized management authorities from the nation's leading schools of management, independent management consultants, practicing medical directors, and administrators. Topics to be covered are: analyzing trends in the social, political, and economic environments: analyzing organizations and developing organizational strategies: building a leadership profile and choosing a leadership style; setting standards of performance and measuring performance: managing conflict and change; and financial management and decision making.

For further information, write Roger S. Schenke, Project Director, The Physician in Management, 20 South Quaker Lane, Alexandria, Va. 22314.

Doctoral study in social work and social science. The University of Michigan provides an interdepartmental doctoral program in social work and social science that combines social work with economics, political science, psychology, and sociology.

The program is intended to develop special competence in one of the social sciences and in one area of social welfare. The training is viewed as a valuable preparation for leadership in selected social welfare positions involving teaching, research, policy, and administration. Since advanced training in practical skills, per se, is not provided, students interested only in such training are discouraged from applying for the program.

Applications will be accepted from persons who hold a bachelor's degree, are enrolled in or will complete work for the master of social work degree in 1976-77 or have previously earned this degree, or who are engaged in graduate work in social work. Applications are accepted for the fall term only and must be received by February 1, 1977, in order to be processed. Decisions will be announced by April 1, 1977.

For further information and application materials, write Doctoral Program in Social Work and Social Science, University of Michigan, School of Social Work, 1060 Frieze Bldg., Ann Arbor, Mich. 48109.

Executive Program in Health Policy, Planning, and Regulation. An Executive Program in Health Policy, Planning, and Regulation will be offered at the Harvard School of Public Health. in Boston, February 27 through March 25, 1977. It is primarily for health professionals who hold senior positions in such agencies as health systems agencies, State health departments, Medicaid programs, professional standards review organizations, and rate setting bodies, but others in senior positions in appropriate Federal agencies, State legislative committees, private companies, and health care institutions are encouraged to apply.

The program is designed to develop both analytical skills and substantive knowledge of the health care system through a sequence of sessions using a variety of instructional formats, including lectures and case discussions. Among the substantive and administrative problems that will be covered are quality of care regulation, certification of need procedures, mechanisms for controlling hospital cost and prices, manpower planning, enforcement and inspection techniques, legal constraints and initiatives, and the impact of community and political pressures on the regulatory process.

Applications are strongly encouraged from members of minorities and women. For further information write Administrative Director for Policy Programs, Executive Programs in Health Policy and Management, Harvard School of Public Health, 677 Huntington Ave., Boston, Mass. 02115.

Graduate studies in research, administration, and policy analysis. The Division of Health Care Organization at the Johns Hopkins University School of Hygiene and Public Health has announced new opportunities to pursue individualized programs of graduate education in fields related to organization, administration, policy analysis, and research in personal health care services. Openings commencing in the 1977-78 academic year will accommodate a limited number of selected scholars interested in curriculums arranged at the master's, doctoral, or postdoctoral levels.

Applicants should have strong academic backgrounds in one of more of the behavioral, biological, clinical, mathematical, physical, political, or social sciences. Practical experience in the administration, analysis, evaluation, or provision of personal health care services is advantageous. Motivation and capability for advanced and independent scholarship is required.

Further information and application forms may be obtained from Barbara H.

Starfield, MD, MPH, Division Chairman, Division of Health Care Organization, School of Hygiene and Public Health, Johns Hopkins University, 615 North Wolfe St., Baltimore, Md. 21205.

Master of Community health program. Emory University is now accepting ap-

## publications

plications for this 1-year program that is designed to prepare persons with health experience for positions in community health administration, planning, evaluation, epidemiology, teaching, and research. The third class will enter in June 1977, and applications must be received by February 1, 1977. Flexible scheduling allows many students to work full time while attending classes parttime. For further information, contact Constance C. Conrad, Director, Master of Community Health Program, 1518 Clifton Rd., Emory University, Atlanta, Ga. 30322.

### FEDERAL

Health Manpower, A County and Metropolitan Area Data Book, 1973–75. Reported by the National Center for Health Statistics. DHEW Publication No. (HRA) 76–1234. 1976; 74 pages.

Intermountain Medical Malpractice Seminar. Sponsored by the Health Systems Research Institute. DHEW Publication No. (HRA) 76-3150. 1976; 124 pages.

Living With End-Stage Renal Disease. A book for patients. DHEW Publication No. 76-30001. 1976; 45 pages; \$1.10 (Stock No. 017-026-00043-7.)

Quality Control for Scintillation Cameras. DHEW Publication No. (FDA) 76-8046. June 1976; 49 pages; \$1.15. (Stock No. 017-015-00105-9.)

Organ Doses in Diagnostic Radiology. By Marvin Rosenstein, PhD. DHEW Publication (FDA) 76-8030. May 1976; 122 pages; \$1.95. (Stock No. 017-015-00102-4.)

Handbook of Selected Organ Doses for Projections Common in Diagnostic Radiology. By Marvin Rosenstein, Ph.D. DHEW Publication (FDA) 76-8031. May 1976; 41 pages.

Statistical Reference Book of International Activities, Fiscal Year 1975 Funds. Prepared by International Cooperation and Geographic Studies Branch, Fogarty International Center, DHEW Publication No. (NIH) 76-64. 1976; 40 pages.

Physician Distribution and Rural Access to Medical Services. Prepared for Health Resources Administration, Department of Health, Education, and Welfare. Principal Investigator, Sinclair Coleman. R-1887-HEW. April 1976; 98 pages. Rand Corporation, 1700 Main St., Santa Monica, Calif. 90406.

Physician Distribution and Rural Access to Medical Services. Executive Summary. Prepared for Health Resources Administration, Department of Health, Education, and Welfare. Principal Investigator, Sinclair Coleman. R-1887-1-HEW. April 1976; 11 pages. Rand Corporation, 1700 Main St., Santa Monica, Calif. 90406.

Vital Statistics of the United States, 1972. Vol. I. Natality. DHEW Publication No. (HRA) 76-1100. 1976; \$7.40 (Stock No. 017-022-004950-0).

Persons Injured and Disability Days by Detailed Type and Class of Accident, United States, 1971–1972. DHEW Publication No. (HRA) 76–1532, Series 10, No. 105. January 1976; 54 pages; \$1.60.

Total Serum Cholesterol Values of Youths 12–17 Years, United States. DHEW Publication No. (HRA) 76– 1638, Series 11, No. 156. May 1976; 35 pages; 85 cents.

Federal publications listed are available from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Orders should be accompanied by check or money order and should fully identify the publication. (Publications listed without prices may be obtained from the agency.)

### WORLD HEALTH ORGANIZATION

Treatment and Prevention of Dehydration in Diarrhoeal Diseases. A guide for use at the primary level. 1976; 32 pages; \$2.40; Geneva.

Manual on Urban Air Quality Management. Edited by M. J. Suess and S. R. Craxford. WHO Regional Publications,

### European Series No. 1. 1976; 200 pages; \$14.40; Geneva.

World Health Statistics Annual, 1973-1976. Vol. I. Vital Statistics and Causes of Death. 1976; 863 pages; Geneva.

Statistical Indices of Family Health. Report of a WHO Study Group. WHO Technical Report Series No. 587. 1976; 92 pages; \$3.20; Geneva.

Planning and Evaluation of Public Dental Health Services. Report of a WHO Expert Committee. WHO Technical Report Series No. 589. 1976; 35 pages; \$2.40; Geneva.

Nuclear Medicine. Report of a Joint IAEA/WHO Expert Committee on the Use of Ionizing Radiation and Radioisotopes for Medical Purposes (Nuclear Medicine). Technical Report Series No. 591. 1976; 72 pages; \$2.80; Geneva.

Methodology of Nutritional Surveillance. Report of a Joint FAO/UNICEF/ WHO Expert Committee. WHO Technical Report Series No. 593. 1976; 66 pages; \$2.80; Geneva.

Safety Evaluation of Chemicals in Food: Toxicological Data Profiles for Pesticides. 1. Carbamate and organophosphorus insecticides used in agriculture and public health. Progress in Standardization 3. By G. Vettorazzi and P. Miles-Vettorazzi. 1975; 61 pages; Geneva.

Selected Methods of Measuring Air Pollutants. Published under the joint sponsorship of the United Nations Environment Programme and the World Health Organization. WHO Offset Publication No. 24. 1976; 112 pages; \$8; Geneva.

WHO publications may be obtained from Q Corp., 49 Sheridan Ave., Albany N.Y. 12210.

### **NON-FEDERAL**

The Human Pedigree. By Anthony Smith. 1976; \$3.95 (paperback). Mc-Graw-Hill Book Company, 1221 Avenue of the Americas, New York, N.Y. 10020.

Your Lifetime Health Records Book. By Eleanor Dunn. 1976; \$7.95. Mc-Graw-Hill Book Company, 1221 Avenue of the Americas, New York, N.Y. 10020.

Distribution of Health Personnel. An annotated bibliography. Compiled by Ellen Sax and Barbara Unterman, MPH. 1976; 33 pages. National Health Council, 1740 Broadway, New York, N.Y. 10019.

Alcoholics and Business: Problems, Costs, Solutions. By Joseph F. Follmann, Jr. 1976; 246 pages; \$12.95. American Management Association, 135 W. 50th St., New York, N.Y. 10020.

The Development of a Health Education Department in a Less Developed Caribbean Country. By Helen Schweser, RN, BS, and Agnes A. Blaize, SRN, SCM. 1976; 70 pages. Project Hope, Department of Information Services, The People-to-People Health Foundation, Inc., Washington, D.C. 20007.

Annual Survey Report, 1974-75. December 1975; 32 pages. Pharmaceutical Manufacturers Association, 1155 Fifteenth St., NW., Washington, D.C. 20005.

Yes, You Can Teach Dental Health. Correlation of Dental Health Education With Other Classroom Subjects, K-12. By Teresa Mae Perkins Poulos, RDH, BA MEd. 1976; 56 pages; \$3.75 (Stock No. 244-25092). AAHPER Publications-Sales, 1201 16th St., NW., Washington, D.C. 20036.

Perspectives in Pharmacy. A series of addresses given at the University of Minnesota College of Pharmacy, 1975– 1976. Edited by Albert I. Wertheimer, PhD, and Margaret L. Schubert, BA. 1976; 57 pages. College of Pharmacy, University of Minnesota, Minneapolis, Minn. 55455.

Handbook of Medical Specialties. By Henry Wechsler, PhD. 1976; 315 pages; \$16.95, paper \$9.95. Human Sciences Press (formerly Behavioral Publications, Inc.), 72 Fifth Ave., New York, N.Y. 10011.

Unmarried Teenagers and Their Children. By Elizabeth Ogg. Public Affairs Pamphlet No. 537. July 1976; 28 pages; 35 cents. Public Affairs Pamphlets, 381 Park Ave. South, New York, N.Y. 10016.

Foundation for Child Development. Annual report, 1975–1976. Foundation for Child Development, 345 46th St., New York, N.Y. 10017.

Prescription for Primary Health Care: A Community Guidebook. 1976; 100 pages; \$3.50. Program in Urban and Regional Studies, Cornell University, 726 University Ave., Ithaca, N.Y. 14853.

Audit and Evaluation of Ambulatory Health Care. Proceedings of a conference sponsored by the New York Association for Ambulatory Care, June 2-3, 1975. Edited by Naomi Bluestone, MD, MPH, Charles Hedbavny, MPH, Beatrice Kresky, MD, MPH, Stanley Neiman, MD, and Michael Stewart, MD, MPH. 1976; 269 pages. Dr. Beatrice Kresky, Chairman, Dept. of Ambulatory Care, Jamaica Hospital, 89th and Van Wyck Expressway, Jamaica, N.Y. 11418.

Incentives to Distribute Health Personnel to Underserved Areas. Report of National Conference on Health Manpower Distribution. Prepared by Madeline T. Kerman and Anne R. Warner. 1976; 94 pages. Manpower Distribution Project, National Health Council, 1740 Broadway, New York, N.Y. 10019.

Epidemiology of Abortion and Practices of Fertility Regulation in Latin America. PAHO Scientific Publication 306. 1975; 142 pages; \$7.50. Pan American Health Organization, 525 Twenty-Third St., N.W., Washington, D.C. 20037. (Available in English only.)

VIII Inter-American Meeting on Footand-Mouth Disease and Zoonoses Control. PAHO Scientific Publication 316. 1975; 176 pages; \$4. Pan American Health Organization, 525 Twenty-Third St., N.W., Washington, D.C. 20037.

Quantitatively Standardized Complement-Fixation Methods for Critical Evaluation of Antigens Prepared from Trypanosoma cruzi. By José O. Almeida and Earl H. Fife, Jr. PAHO Scientific Publication No. 319. 1976; 128 pages; \$5. Pan American Health Organization, 525 Twenty-Third St., N.W., Washington, D.C. 20037. (Published in Spanish also.)

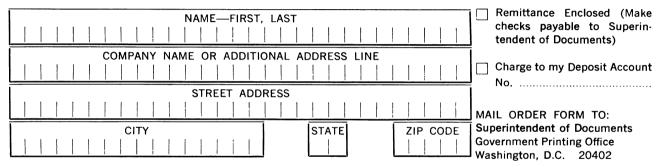
Conference on Assessing Physician Performance in Ambulatory Care. 1976; \$15. American Society of Internal Medicine, 535 Central Tower Bldg., 703 Market St., San Francisco, Calif. 94103.

Organizing a Cost Containment Committee in the Hospital. 1976; 47 pages; \$2.50 (AHA Catalog No. 1350). Control Department, American Hospital Association, 840 North Lake Shore Dr., Chicago, Ill. 60611.

Order non-Federal publications from publisher or sponsoring agency.

SUBSCRIPTION ORDER FORM PLEASE PRINT OR TYPE







# 1976 INDEX

### KEY TO DATES AND PAGES . . -

. .

Pages	Month of Issue	No.	
1–100	January–February	1	
101–196	March–April	2	
197–296	May–June		
297–392	July-August	4	
393-488	September-October	5	
489–588	November–December		

### KEY TO CLASSIFICATION OF SUBJECT INDEX

- (\*) Original signed article
- $(\mathbf{CR})$ Conference report
- $(\mathbf{PR})$ Publication review
- (SR) Short report

THIS INDEX to PUBLIC HEALTH REPORTS is divided into a subject index and an author index. The subject index carries one or more entries for each item published. In addition to the subject headings, categorical headings include ANNOUNCEMENTS, CONFERENCES; BIBLIOGRAPHIES; BICENTENNIAL REPRINTS; CON-FERENCE REPORTS; EDUCATION NOTES; FILMS; and PUBLICATION REVIEWS.

### SUBJECT INDEX

193

185

566

98

392

192

481

387

486

\*110

\*508

\*211

389

\*281

390

284

178

382

378

383

477

88

563

Medicine ..... 191, 572

ADMINISTRATORS of neighborhood health centers, nontraditional grad-		Ninth International Conference on Health Educa- tion
uate training for	*452	Public Health Conference on Records and Statis-
ADOLESCENTS see Youths		tics, 16th national meeting
		Second International Conference on Transfer of
AFRICA, CENTRAL		Water Resources Knowledge, June 29–July 2,
and Wyoming, health manpower for rural primary		1977
care; problems and potentials in relating medical		Symposium on Diabetes and Other Endocrine Dis-
education to rural needs, as illustrated by recent	* . • •	orders During Pregnancy and in the Newborn
attempts in	*159	Infant
AFGHANISTAN		36th Congress on Occupational Health
use of age computer, a simple device for improving		White House Conference on Handicapped Individ-
age determination in censuses and surveys	*360	uals
		ARMADILLOS
AGED		feral, Carville Hospital researchers find no sign of
Center for Studies of the Mental Health of the		mycobacteriosis in 141 (SR)
Aging established in National Institute of Mental	00	
Health (SR)	92	ASBESTOS
homemaker services, essential option for the elderly	*354	exposure, U.S. Department of Labor's Occupational
treatment of, audiovisual training package aimed at	40.0	Safety and Health Administration extends time
changing attitudes (SR)	486	for keeping records (SR)
ALCOHOL		AUDIOVISUALS
beverage labels to include ingredients, FDA require-		training package on relating to older people (SR).
ment (SR)	191	training package on relating to order people (SK).
		BEHAVIOR
AMBULATORY CARE		child abuse, life crisis as precursor to
Michigan survey	*552	perceived and objective need for dental care;
national survey, 1973 summary (PR)	293	quantitative relationship
treatment of currently hospitalized patients on out-		smoking, influence of students on parents and
patient basis by use of "talking" computers to		teachers in consumer education project, Niagara
report laboratory test results (SR)	92	County, N.Y.
AMNIOCENTESIS		use of operant conditioning to assess babies' hearing
registry, implications of findings for public policy.	*116	(SR)
registry, implications of intuings for public poney.	110	
ANNOUNCEMENTS, CONFERENCES		BEHAVIORAL SCIENCE
American Public Health Association, call for papers		in medical education, learning model
for Medical Care Section of 1976 meeting	98	BIBLIOGRAPHIES
American Association for Laboratory Animal Sci-		health manpower, 4th edition, updated (PR)
ence, 27th annual session, papers invited	187	National Library of Medicine
California symposium on "Women at Work," 1976,		National Endary of Medicine
call for papers	98	BICENTENNIAL REPRINTS
conference on implications of developmental dis-		denti di Chiaie (Chiaie teeth) (Nov. 1, 1901)
abilities	98	"Dr." Franklin (reprinted from The Health Officer,
conference on industrial waste	193	February 1939)
conference on management information, "State of		droplet infection explained in pictures, poster on
the Art"	98	spread of infection (Nov. 15, 1918)
conference on skin health problems	193	epidemic influenza and the United States Public
International Conference on Medical Computing.	295	Health Service (Oct. 25, 1918)
International Conference on Scabies and Pediculosis	192	influenza studies. I. On certain general statistical
International Symposium on Pediatric Cardiology.	193	aspects of the 1918 epidemic in American cities
International Conference on Photochemical Oxidant		(Aug. 8, 1919)
Pollution and Its Controls	392	malaria among drug addicts in New York City
National Conference on High Blood Pressure,		(Mar. 30, 1934)
papers sought	484	oral poliovirus vaccine (October 1960)
New York State Society of Physicians' Assistants.	574	public health administration and the citizen (June
Ninth International Biomaterials Symposium	567	12, 1914)
	· ·	

78	Public	Health	Reports	

sure cures for influenza (Nov. 8, 1918)	380
BIOLOGICAL PRODUCTS and drugs, FDA to be responsible for assuring quality (SR)	384
BIRTH CONTROL see Contraception	
BIRTH DEFECTS associated with use of tranquilizers in first trimester; physicians warned (SR)	565
BLINDNESS in diabetic patients, use of light beams and vitrec- tomy to reduce risk (SR)	388
BLOOD PRESSURE film on measuring, available on free loan (SR) $\ldots$	567
BLOOD PRODUCTS actions to assure uniform quality, FDA (SR)	189
CANCER control, experiment with Can-Dial, telephone in- formation system	*218
NLM (SR)	391
patients, data available on 9,080 from New York and Pennsylvania hospitals for 1970-73 (SR)	571
prostatic, detected by blood test among men at high risk (SR)	568
tests for cervical, awareness and use in a southern Appalachian community workers in metal-related occupations have increased	*236
risk (SR) CARBON MONOXIDE see Poisoning	569
CARDIAC SURGERY strategy for determining local area need for; Hart- ford (Conn.) area hospitals	*67
CHILD ABUSE life crisis as a precursor to	*110
CHILD HEALTH AND WELFARE	
see also Child Abuse; Infants; Maternal Health amniocentesis registry, implications of findings for public policy babies' hearing assessed by new behavioral tech-	*116
nique, operant conditioning (SR) elementary school children taught to be family and	389
community health educators, project of Washing- ton, D.C., medical school (SR) failure to vaccinate children against measles during second year of life; analysis of immunization	286
practices in two Tennessee county health depart- ments	*133
growth charts for American youngsters released by National Center for Health Statistics (PR)	571

Reye's syndrome made a reportable disease in New	
York (SR) study of child health station referrals to treatment facilities to determine continuity in health serv-	292 *120
ices	*1.38
day-care facilities, North Carolina; sample design 200 years of progress in America (PR)	*556 •289
CIVIL RIGHTS of mentally disabled (PR)	5 <b>6</b> 7
CLINICS see Health Facilities	
COMMUNICATIONS	
biomedical, construction of Lister Hill National Center (SR)	390
Cancerline, computer system provides easier access to cancer data, NIH, NLM (SR) satellite, Veterans Administration to expand experi-	391
ments for medical consultation (SR)	294
COMMUNITY HEALTH	
mental health centers and PSROs geographic rela- tionship (SR)	94
partners in teaching, a medical school and an ele- mentary school, Washington, D.C. (SR) training of planning personnel for local and State	268
agencies; toward an invisible college	*51
COMPUTERS money-saving system used by Harvard Community Health Plan (SR) "talking" used to report laboratory test results in treatment of currently hospitalized patients on outpatient basis (SR)	486 92
CONFERENCE REPORTS	
ways to improve care in rural areas	387
cians and planners	187
CONSUMERS movement and participation in health care and representation on regulatory boards for the health	*406
profession of new and traditional sources of care, evaluation of health care services by recently pregnant women; use of a model in Meharry Medical Col-	*406
lege study participation in health agency affairs and patients' rights; approaches of nine Federal health agen-	*412
cies	*403
CONTRACEPTION for males, without prescription; a reevaluation of the condom and coitus interruptus	*437

frequency of harmful side effects of IUDs studied at George Washington University, under contract

by National Institute of Child Health and Human Development (SR) services for adolescent females, the gynecologist's	97 *100
dilemma CONTRACTS, FELLOWSHIPS, GRANTS contract for national study of medical care expendi-	*166
tures, Health Resources Administration (SR) Federal health services grants, 1965–75 5-year grant for study of early diagnosis of cerebral	565 *493
palsy in infancy, DHEW (SR) George Washington University awarded \$300,000 contract by National Institute of Child Health and Human Development to study side effects of	567
IUDs (SR) grants for Commission on Public-General Hospitals	97
established by Hospital Research and Educational Trust (SR)	286
grants to five university centers to study quality, delivery, and costs of health services (SR)	294
HEW grants to foster better health care in rural areas (SR)	386
index to 1975 PHS grants and contracts published (PR) National Institute of Environmental Health Sciences	484
awards contract to investigate kepone hazards (SR) National Institute of Environmental Health Sciences	185
grant to establish Environmental Health Sciences Center for study of trace metal pollution, Univer- sity of Rochester, N.Y. (SR)	94
over \$29 million awarded to 52 recipients under Emergency Medical Services Act (SR)	484
twelve fellowships available for health projects, Hospital Research and Educational Trust (SR). Veterans Administration grants of \$40 million for	486
medical school assistance and health manpower training (SR) WHO fellowships for U.S. health workers, 1977	92
(SR)	<b>38</b> 5
CRUISE SHIPS occurrence of gastroenteritis aboard	*433
DENMARK experience in mass screening for tuberculosis; prin- ciples and effects	*146
DENTAL CARE delivery, a method for examining personnel utiliza- tion in; application in 14 practices	<b>*3</b> 73
perceived and objective need for; quantitative rela- tionship	*508
use of community residents as interviewers in a den- tal health care research project DENTAL DISEASE	*77
denti di Chiaie (Chiaie teeth), Bicentennial reprint, Nov. 1, 1901	284

tooth decay reduced by combined preventive meas- ures (SR)	568
DENTISTS	
utilization in mass casualty situations $(SR)$	188
DIABETIC RETINOPATHY studies of use of light beams and vitrectomy to re-	
duce risk of blindness for some diabetic patients (SR)	388
DIET see Nutrition	500
DISABLED see Handicapped	
DRUG ABUSE	
cross-country reporting system (September–October inside cover)	
self-awareness, filmed series (SR)	186
warning network (DAWN), a statistical perspec- tive	*395
DRUG ADDICTS	
malaria among, New York City (Bicentennial re-	
print, Mar. 30, 1934)	477
DRUGS and biologicals, FDA to be responsible for assuring	
quality (SR)	384
manual for conducting utilization review in skilled	007
nursing facilities (PR)tranquilizers, physicians warned against prescribing	387
during first 3 months of pregnancy (SR)	565
ECONOMICS, HEALTH	
achievements and problems of Medicaid cost-effectiveness computer system used by Harvard	*309
Community Health Plan (SR)	188
economic and financial considerations of health and	*= 0.0
medical care among three-generational families . functional activity budgeting for rational staffing of	*538
hospital nursing services	*118
homemaker services, essential option for the elderly how health care facilities can trim energy needs and	*354
costs, film (SR)	293
impact of viral hepatitis in the United States, 1970 Medicaid, a decade after inception	*349 *303
Medicare, medical practice, and the medical profes-	-
sionnational study of medical care expenditures, con-	*317
tract awarded by Health Resources Administra-	
tion (SR)	565
potential for reducing health care costs by public and patient education; summary of selected studies	*223
regulatory and review functions of agencies created	
by the National Health Planning and Resources Development Act of 1974	*24
rising medical care costs, AMA commission to at-	
tack (SR)	384 *200
ten-year perspective on Medicare	*299

### EDUCATION NOTES

biohazard and injury control in the biomedical lab-	
oratory	294
Devereaux Foundation fellowships and internships .	99
doctoral study in social work and social science	574
executive development program on management	
and community aspects of accountability	98
Executive Program in Health Policy, Planning, and	
Regulation	574
family planning training institute	573
graduate summer session in epidemiology, Univer-	192
sity of Minnesota	192
graduate studies in research, administration, and	
policy analysis	574
graduate summer session on statistics in the health	
sciences	193
health executives development program	192
Institutes for Physicians and Nurses in Perinatology	294
master of community health program	575
research fellowships to Sweden and Switzerland	574
statistical methods, Georgia Institute of Technology	294
symposium on biofeedback, meditation, and self-	
regulatory therapies	573
EDUCATION, PROFESSIONAL	
baccalaureate training in health planning and ad-	
ministration; progress report	*458
Executive Graduate Program in Health Care Finan-	
cial Management (SR)	184
film, "X-ray Examination, A Guide to Good Prac-	
tice" (SR)	190
interprofessional conferences as an aid to health care	*164
learning model for behavioral science in medical	
education	*281
lectures taped at new television studio of National	
Institute of Neurological and Communicative Dis-	
orders and Stroke (SR)	95
new device, "Tutorendoscope," teaches proctoscopy,	
lesion diagnosis (SR)	91
nontraditional graduate training for administrators	•••
of neighborhood health centers	*452
EMERGENCY SERVICES	152
categorization of hospitals by their capability to	05
meet emergencies being studied (SR)	95
over \$29 million awarded to 52 recipients under	
Emergency Medical Services Act (SR)	484
utilization of dentists in mass casualty situations	
(SR)	188
ways to improve care in rural areas (CR)	387
ways to save high-risk patients discussed by physi-	
cians and planners (CR)	187
ENERGY NEEDS see Films; Publication Reviews	
ENVIRONMENTAL HEALTH	
National Institute of Environmental Health Sciences	
grant to University of Rochester (N.Y.) to estab-	

lish Environmental Health Sciences Center for study of trace metal pollution	94
EPIDEMIOLOGY gastroenteritis on cruise ships, a recurring problem .	*433
review of documents and interviews with surviving principals of a 1940 outbreak of staphylococcal	*****
gastroenteritis; Oswego County (N.Y.) revisited ETHNIC GROUPS	*168
black males in Michigan, decrease in life expectancy Indians, American, a method of allocating resources	*141
for services by the Indian Health Service Indians, Navajo, cases of bacterial meningitis	*256
among, 1968–73	*464
EVALUATION of community trial of BCG vaccination; 20-year fol-	
lowup, tuberculosis studies in Muscogee County, Ga	*276
FAMILY HEALTH	
health and medical care among three-generational families, economic and financial considerations	*538
FAMILY PLANNING	
development of the national inventory of services	
of, United States (PR)inventory of services, institutional characteristics,	391
United States (PR)	391
FILMS "Energy Dollars and Sense"	293
"Energy Strategies for Health Care Institutions"	191
"Measuring Blood Pressure, An Introduction for Paramedical Personnel," available on free loan	567
on drug abuse, self-awareness	567 186
"X-Ray Examination: A Guide to Good Practice".	190
FOOD POISONING see Gastroenteritis	
FOOD PROTECTION	
international journal begins publication (PR)	481
FOREIGN MEDICAL GRADUATES differential performance on subtests of the educa-	
tional council examination for	*86
GASTROENTERITIS	
on a cruise ship, a recurring problem staphylococcal gastroenteritis outbreak, 1940, review of documents and interviews with surviving prin-	*433
cipals; Oswego County (N.Y.) revisited	*168
GERMANY, FEDERAL REPUBLIC OF	
national health insurance and its implications for U.S. consumers	*343
GHANA	#920
rural health examination survey; nonresponse factors GROUP PRACTICE	*368
Greater Marshfield Community Health Plan, com-	
position of subscribers	*504

.

GROWTH new charts for American youngsters released by Na- tional Center for Health Statistics (SR)	571	by State and areawide health planning agencies (SR) instrument of prevention (May-June inside cover)
GYNECOLOGISTS see Physicians		National High Blood Pressure Education Program
HANDICAPPED		results (SR)need for self-care programs
specialized living centers for developmentally dis-		programs offered to employees of Bell Laboratory,
abled (SR)	97	Morristown, N.J. (SR)
White House Conference on Handicapped Individ- uals, announcement	192	public and patient, potential for reducing health
		care costs; summary of selected studies role of community pharmacists
HEALTH AGENCIES approaches of nine to patients' rights and consumer		teaching elementary school children to be family
participation, survey	*403	and community health educators, project of
provision of home services in New Hampshire; study		Washington, D.C., medical school (SR) teaching-learning mechanisms in school program on
of characteristics of eight agencies and their patients	*545	cigarette smoking and health
7	515	
HEALTH CARE consumer action in quality assurance	*406	HEALTH FACILITIES
effects of Medicare and Medicaid on access to and	100	clinic of a rural medical care delivery system, New Mexico; an analysis of processing of patients
quality of	*322	community mental health centers and PSROs, geo-
international study of (PR)	570 *164	graphic relationship (SR)
interprofessional conferences as an aid to layperson as primary practitioner	*206	critical experiences in organizing and administering the Massachusetts certification of need program.
potential contribution of consumers to an integrated		effects of energy problems on, film (SR)
health care system	*72	hospitals required to post multi-lingual "free care"
potential for reducing costs by public and patient education; summary of selected studies	*223	notices advising low-income patients of eligibility for "uncompensated" services (SR)
research, new and traditional sources of care eval-		neighborhood health center as a mental health diag-
uated by recently pregnant women; Meharry	*	nostic service
Medical College study twelve fellowships available for projects on (SR).	*412 486	neighborhood health centers, nontraditional grad-
	100	uate training for administratorsuse of solar energy for health care institutions (PR)
HEALTH CAREERS pamphlet for junior high school students (PR)	190	
Spanish-English advertising campaign to promote	150	HEALTH INSURANCE see also Economics, Health
(PR)	96	in the Medicare years
HEALTH EDUCATION		national health insurance in the Federal Republic
see also Patient Education		of Germany and its implications for U.S. con- sumers
a method of allocating resources for services by the Indian Health Service	*256	
and cancer control, experiment with Can-Dial, tele-	250	HEALTH MAINTENANCE ORGANIZATIONS
phone information system	*218	see also Group Practice automated cost-effective, Harvard Community
around the world (pictorial)	254	Health Plan (SR)
awareness and use of cervical cancer tests in a south- ern Appalachian community	*236	subscriber service guide issued by Blue Cross (PR)
Delaware newspaper, "Health Beat," an aid to		why some develop slowly
(SR)	93	HEALTH OCCUPATIONS
drug abuse, self-awareness filmed series $(SR)$ evaluation of a VD hotline, Long Branch, N.J	186 *231	decennial census data on (PR)
Federal overview	*199	HEALTH PLANNING
for Job Corps enrollees	*243	and administration, baccalaureate training; progress
guidelines for making it work	*249 *261	report
information sought nationwide on projects for use	201	critical experiences in organizing and administering the Massachusetts certification of need program.
		1 - 0 •

275

\*206

273

\*223

\*226

268

\*211

\*471

94

\*29

191

97

\*446

\*452

185

\*336

\*343

188

390 \*496

288

\*458

\*29

designating health service areas under the National Health Planning and Resources Development Act of 1974	<b>*</b> 9
implementing the National Health Planning and Resources Development Act of 1974	*3
monograph on health goals and standards (PR) National Health Planning and Resources Develop-	572
ment Act; a progress report (January-February inside cover) National Health Planning Information Center es-	
tablished under the Health Resources Adminis- tration	*19
potential contribution of consumers to an integrated health care system	*72
regulatory and review functions of agencies created by the National Health Planning and Resources	
Development Act of 1974 strategy for determining local area need for cardio- vascular surgical services, Hartford (Conn.) area	*24
hospitals the health service agency (HSA) and the profes- sional standards review organization (PSRO):	*67
toward a linkage	*46
cies; review of the literature training of planning personnel for local and State	*56
agencies; toward an invisible collegevalidity of repeating patient origin studies for rural	*51
hospitals HEALTH SERVICE AGENCIES see Health Planning	*62
HEALTH SERVICES see also Health Planning	
five university centers receive grants to improve quality, delivery, and costs of (SR)	294
for youth at a beach resort receipt by patients referred to other sources; design and test of a system for tracking referrals, North	*541
Carolina	*521
HEARING babies', assessed by new behavioral technique, oper- ant conditioning (SR)	389
HEART DISEASE first attacks, 12,500 volunteers enrolled in study to evaluate ways to prevent (SR)	286
HEPATITIS viral, economic impact in the United States; mortal- ity and morbidity, 1970	*349
HOME CARE	
homemaker services, essential option for the elderly in New Hampshire; study of eight home health	*354
agencies	*545

### HOSPITAL CORPSMEN

	oling, occupational motivation, and personality related to success in paramedical training	*533
	SPITALS	
ar categ	ovascular surgical services in Hartford (Conn.) ea, strategy for determining local area need gorization of hospitals by their capability to	*67
Com	eet emergencies being studied (SR) mission on Public-General Hospitals estab-	95
fede ca	hed (SR) rally aided, required to post multi-lingual "free re" notices; advising low-income patients of	286
eli	gibility for "uncompensated services" (SR) reenville, S.C., patient education coordinators	97
po Lexi:	sitions created (SR) ngton (Ky.) Veterans Administration Hospital, udy of effectiveness of nurses' referrals of dis-	274
ch	arged patients to community nursing agencies.	*122
	ician's role in patient education (SR)nal staffing of nursing services by functional ac-	271
tiv	vity budgeting	*118
rural	l, validity of repeating patient origin studies for SPITALS, MENTAL	*62
State	e and county, United States, 1973-74 (PR)	571
	PERTENSION ts of the National High Blood Pressure Educa-	
tic	on Program (SR)	275
level	IUNIZATION s of children in North Carolina day-care fa- lities; sample design for a survey	*556
IND	IANS, AMERICAN see Ethnic Groups	
	USTRIAL HEALTH	
	th education programs for employees of Bell aboratories, Morristown, N.J. (SR)	273
see a	ANTS ulso Child Abuse; Child Health and Welfare; aternal Health	
	v diagnosis of cerebral palsy to be studied (SR)	567
mort	ality (PR)	424
speci	ality, geographic variations, 1961–65, 1969–73. al care nursery, Perinatal Center, located at the	*423
	IH Clinical Center (SR)	<b>28</b> 7
pano swin	LUENZA lemic; Bicentennial reprints (1918 and 1919) e, vaccination campaign (July-August inside ver)	378
catal	ORMATION RETRIEVAL log of micro-data tapes available from National enter for Health Statistics (PR)	480
	ORMATION SYSTEMS national network set up for exchange of bio-	

medical information with National Library of Medicine (SR)	569
National Health Planning Information Center	*19
INTRAUTERINE DEVICES see Contraception	
KEPONE hazards, contract awarded by National Institute of Environmental Health Sciences to investigate (SR)	185
LABORATORY EQUIPMENT new machine, "Dumbwaiter," developed for proc- essing cultures (SR)	482
LABORATORY TESTS AND TECHNIQUES blood test to detect prostatic cancer in men at high risk (SR)	568
LAWS AND REGULATIONS actions to assure uniform quality of blood products, FDA (SR)	189
alcoholic beverage labels to include ingredients, FDA requirement (SR) designation of health service areas under the Na- tional Health Planning and Resources Develop-	191
mental Act of 1974 National Health Planning and Resources Develop-	*9
ment Act of 1974, implementing regulatory and review functions of agencies created by the National Health Planning and Resources Development Act of 1974	*3 *24
LEPROSY no Mycobacterium leprae found in 141 feral arma- dillos in studies at Carville Hospital (SR)	481
LEPTOSPIROSIS rodent and mongoose, prevalence on the Island of Oahu	*171
MALARIA among drug addicts in New York City (Bicenten- nial reprint, Mar. 30, 1934) parasite, first continuous culture in test tube (SR).	477 480
MALPRACTICE what is being done? (November-December inside cover) who is liable?	*491
MANPOWER	
health, for rural primary care; problems and poten- tials in relating medical education to rural needs, as illustrated by recent attempts in Wyoming and	
tials in relating medical education to rural needs, as illustrated by recent attempts in Wyoming and Central Africa	*159
tials in relating medical education to rural needs, as illustrated by recent attempts in Wyoming and	*159 *256

new quarterly journal, <i>Commitment</i> , to encourage students in health professions to practice in	
under-served areas (PR)use of community residents as interviewers in a den-	386
tal health care research project	*77
using dentists in mass casualty situations (SR)	188
MARITAL STATUS health characteristics according to (PR)	484
MATERNAL HEALTH amniocentesis registry, implications of findings for	
public policy new and traditional sources of care evaluated by re- cently pregnant women, Meharry Medical Col-	*116
lege study	*412
MEASLES failure to vaccinate against during second year of life; an analysis of immunization practices in two Tennessee county health departments	*133
	•
MEDICAL CARE see also Ambulatory Care	
rising cost, AMA commission to attack (SR)	384
MEDICAL SCHOOLS	
assistance and health manpower training, \$40 mil-	
lion in VA grants (SR)	92
women may comprise third of graduates in 1980s (SR)	<b>48</b> 5
MEDICAID, MEDICARE	
effects on access to and quality of health care	*322
foreign view (British) of the United States under .	*332
health insurance in the Medicare years	*336
Medicaid, achievements and problems	*309
Medicaid, 10 years after inception	*303
Medicare, medical practice, and the medical profes-	- 303
sion	*317
ten-year perspective on Medicare	*299
MEDICINE, PREVENTIVE	
layperson as primary health care practitioner	*206
Sanitary Epidemiological (SANEPID) Service; network of public health centers for control of po-	200
tentially preventable disease, USSR	*154
MENINGITIS	
bacterial, in Navajo Indians, 1968–73	*464
MENTAL DISORDERS	
mentally disabled, questions about civil rights an-	
swered in new book (PR)	567
MENTAL HEALTH	•
diagnostic service, the neighborhood health center	
as a resource for	*446
of the aging, Center for Studies of, established in	
National Institute of Mental Health (SR)	92

### MILK

impaired ability to digest, new breath test devised (SR)	572
MONGOOSE and rodents, leptospirosis on the Island of Oahu, prevalence	*171
MORBIDITY see Vital Statistics	
MORTALITY see Vital Statistics	
<ul> <li>NATIONAL LIBRARY OF MEDICINE</li> <li>bibliographies available on specific biomedical subjects (SR)</li> <li>Lister Hill National Center for Biomedical Communications (SR)</li> <li>MEDLARS, international cooperation (SR)</li> </ul>	191, 572 390 569
NOMENCLATURE of physical quantities and units of measurement, in- ternational recommendations (PR)	189
NURSE ASSOCIATES training programs surveyed; program characteristics and trends	*127
NURSING SERVICES hospital, rational staffing by functional activity budgeting study of effectiveness of nursing referrals of dis- charged patients from Lexington (Ky.) Veterans Administration Hospital to community nursing	*118
agencies NUTRITION digestion of milk, new breath test devised for im-	*122
paired ability (SR) OCCUPATIONAL HEALTH asbestos exposure, Occupational Safety and Health Administration, Department of Labor, extends time for keeping records (SR) recommended standard for exposure to xylene, Na- tional Institute of Occupational Safety and	572 387
Health (PR) standards for exposure to sodium hydroxide and zinc oxide, National Institute of Occupational Safety and Health (PR)	189 291
workers in metal-related occupations have increased risk of cancer (SR)	569
PATIENT EDUCATION coordinators in Greenville, S.C., hospitals (SR) role of the physician in a program for hospital pa- tients (SR)	274 271
PATIENT RIGHTS and consumer participation, survey of approaches of nine Federal health agencies	*403

PHARMACISTS expanded roles in the community—which direction?	*226
PHYSICIANS gynecologist's dilemma, the adolescent's need for	
contraceptive services learning model for behavioral science in medical	*166
education private, knowledge of and attitudes toward sexual	*281
assaultrole in a hospital's patient education program (SR)	*103 271
POISONING carbon monoxide, accidental; Colorado and Wyo- ming, 1971-73	*560
PREVENTIVE MEDICINE see Medicine, Preven- tive	
PRISON HEALTH AMA organizes projects to improve health care in	
jails of six States (SR)	184
PROCTOSCOPY new device, "Tutorendoscope," to aid teaching of (SR)	91
PROFESSIONAL STANDARDS REVIEW OR- GANIZATIONS see also Health Planning	
and community mental health centers, geographic relationship (SR)	94
PUBLICATION REVIEWS "A Guide to International Recommendations on Names and Symbols for Quantities and on Units	
of Measurement"	189
"Alcohol Health and Research World" "An Inventory of Family Planning Services Sites:	570
Institutional Characteristics, United States, 1974"	391
"Baselines for Setting Health Goals and Standards"	572
"Child Health in America" Commitment, new quarterly journal published by Health Resources Administration	289
"Criteria for a Recommended Standard for Occu-	386
pational Exposure to Sodium Hydroxide" "Criteria for a Recommended Standard for Occu-	291
pational Exposure to Zinc Oxide" "Decennial Census Data for Selected Health Occu-	291
pations: United States, 1970"	288
Planning Services, United States"	391
"Differentials in Health Characteristics by Marital Status, United States, 1971–1972" "Drug Utilization Review in Skilled Nursing Facili-	484
ties—A Manual System for Performing Sample Studies of Drug Utilization"	387

"Eye Examination Findings Among Youths Aged	
12–17 Years. United States"	391
"Have You Considered a Health Career?"	190
"Health Care: An International Study"	570
"Health in America, 1776–1976"	568
"Health Manpower: An Annotated Bibliography,"	
4th edition	390
"HMO Subscriber Service: Meeting Management	
and Regulatory Requirements"	390
"Infant Mortality" (No. 2) and "Introduction" (No.	
1) in the Statistical Notes for Health Planners	
Series	424
Series	386
Journal of Food Protection, international monthly,	
begins publication January 1977	481
"National Ambulatory Medical Care Survey, 1973	
Summary"	293
"Paper Victories and Hard Realities: The Imple-	
mentation of the Legal and Constitutional Rights	
of the Mentally Disabled"	567
"Recommended Standard for Occupational Expo-	
sure to Xylene"	189
"Research Grants Index, Fiscal Year 1975"	484
"Solar Energy for Health Care Institutions"	185
"Standard Methods for the Examination of Water	100
and Wastewater"	389
"Standardized Micro-Data Transcripts"	480
"State and County Mental Hospitals, United States,	100
1973–74"	571
"200 Ways to Put Your Talent to Work in the	571
Health Field," aimed at Hispanics	96
"Vision Research Program Planning"	91
	51
RAPE see Sexual Assault	
REFERRALS	
and screening outcomes of school-based health serv-	
ices, Harlem Hospital Center program	*514
frees, flariem Hospital Center program	*314
from child health stations to treatment facilities,	#120
study to determine continuity in health services .	*138
of patients discharged from Lexington (Ky.) Vet-	
erans Administration Hospital to community	#100
nursing agencies, study of effectiveness system for tracking referred patients evaluated by	*122
North Carolina's State-supported developmental	#=01
evaluation centers	*521

\*77 

RESE		OTT
RESE	АК	UH

contract awarded by National Institute of Environ- mental Health Sciences to investigate kepone hazards (SR)
dental health care project, use of community resi- dents as interviewers
diabetic retinopathy, study of use of light beams and vitrectomy to reduce risk of blindness (SR)
malaria, first continuous culture of parasite in test tube (SR)

validity of repeating patient origin studies for rural hospitals vision, report of National Eye Institute advisory	*62
council on public and private support (PR)	91
REYE'S SYNDROME declared a reportable disease, New York (SR)	292
RODENTS and mongoose leptospirosis on the Island of Oahu, prevalence	*171
RURAL HEALTH analysis of processing patients in a rural medical care delivery system, New Mexico	*471
better emergency care for rural Americans, recom- mendations (CR)	387
rural areas by Robert Wood Johnson Foundation (SR) examination survey in Ghana, nonresponse factors.	187 *368
HEW grants to foster better care in rural areas (SR) health manpower for primary care; problems and potentials in relating medical education to rural needs, as illustrated in attempts in Wyoming and	386
and Central Africa	*159
SCHOOL HEALTH casefinding, followup, and health education pro- gram in elementary schools; Harlem Hospital Center program	*514
SCREENING PROGRAMS principles and effects of mass screening for tubercu- losis, Danish experience	*146
SEXUAL ASSAULT National Center for the Prevention and Control of	0.05
Rape (SR) survey of incidence of and physicians' attitudes toward	385 *103
SICKLE CELL DISEASE awareness among high school students, Kingston,	****
Jamaica SKIN DISEASES schistosome dermatitis in Pennsylvania	*265 *469
SMOKING behavior, teaching-learning mechanisms in school program on cigarette smoking and health	*211
SNAILS role in a schistosome dermatitis occurrence in Penn- sylvania	*469
SPECTROSCOPY	
electron spin resonance, new resource at Medical College of Wisconsin, Milwaukee, helps scientists to probe living matter (SR)	566

SPORTS MEDICINE future directions (SR)	186
SURVEYS Ghana, rural health examination; nonresponse fac- tors	*368 *127
TOXOPLASMOSIS prevalence of <i>Toxoplasma gondii</i> antibodies among veterinary college staff and students, Iowa State University	*526
TRACE METALS pollution, to be studied at University of Rochester (N.Y.) under 5-year grant from National Insti- tute of Environmental Health Sciences (SR)	94
TRAINING audiovisuals on relating to older people $(SR)$ nontraditional graduate, for administrators of	486
neighborhood health centers of board members for health planning agencies; re-	*452
view of the literature	*56
paramedical; schooling, occupational motivation, and personality related to successful performance-oriented new instructional system	*533
(CEWT) for wastewater plant operators and lab- oratory technicians (SR) planning personnel for local and State health agen-	96
cies; toward an invisible college programs for nurse associates surveyed	*51 *127
TUBERCULOSIS principles and effects of mass screening, Danish ex- perience	*146 *276
UNION OF THE SOVIET SOCIALIST REPUBLICS Sanitary Epidemiological (SANEPID) Service; net- work of public health centers for control of po- tentially preventable diseases	*154
VACCINATIONS BCG, 20-year evaluation of a community trial; tu- berculosis studies in Muscogee County, Ga campaign for swine influenza (July-August inside cover)	*276
measles, failure to vaccinate children during second year of life; an analysis of immunization practices in two Tennessee county health departments	*133
VENEREAL DISEASE VD Hotline, evaluation; Long Branch, N.J	*231

#### college staff and students, prevalence of Toxoplasma gondii antibodies among: Iowa State University \*526 VETERINARY MEDICINE new journal, Historia Medicinae Veterinariae, pub-293 lished in Copenhagen, Denmark (SR) ..... VISION eve examination and vision tests among youths, find-391 ings (PR) ..... research, report of National Eve Institute advisory 91 council on public and private support (PR) ... VITAL STATISTICS 424 infant mortality (PR) ..... infant mortality, geographic variation, 1961-65, \*423 1969–73 ..... life expectancy of black males on decrease in Michigan ..... \*141 morbidity and mortality data on viral hepatitis, 1970, economic impact in the United States ... \*349 morbidity data on 9,080 cancer patients from New 571 York and Pennsylvania hospitals, 1970-73 (SR). use of age computer, a simple device for improving age determination in censuses and surveys. Af-\*360 ghanistan ..... WATER POLLUTION criteria for establishing wastewater training (CEWT), method for training plant operators and laboratory technicians (SR) ..... 96 WATER SUPPLY methods for examination of water and wastewater 389 (PR) ..... WORLD HEALTH ORGANIZATION fellowships available to U.S. health workers, 1977 385 (SR) ..... "Introducing WHO" (PR) ..... 386 recommendations on names and symbols for quan-189 tities and on units of measurement (PR) ..... **XYLENE** standard for occupational exposure recommended by National Institute of Occupational Safety and Health (PR) ..... 189 YOUTHS adolescent females' need for contraceptive services, \*166 the gynecologist's dilemma ..... eve examinations and visual tests, findings (PR) ... 391 high school students' awareness of sickle cell dis-\*265 ease, Kingston, Jamaica \*243 Job Corps enrollees' health education program ... \*541

VETERINARIANS

November-December 1976, Vol. 91, No. 6 587

receive health services at beach resort .....

### AUTHOR INDEX

\*Original article \*\*Bicentennial reprint

	<b>—</b> • • • • •		
Alexander, Nancy J *437	December inside covers)	Livesay, Verna T*276	Rogers, Constance*514
Altschuler, Sherry L*164	Farrell, Philip287	Locke, Ben Z*446	Rogers, Kenneth D*464
Asnes, Russell S .*138,*226	Feldman, Jacob J*423	Lockwood, Laurie A*127	Rosen, Beatrice M94
Barid, Steven J *133	Fiedler, Dolores E*166	Loewenstein, Regina	Rubel, Eugene J*3
	Fielding, Jonathan E*243	<b>*226, *</b> 514	
Bauer, Ruth B	Ford, Patricia A*541	Lohrenz, Francis N*504	Sanchez, Rita M481
Bauman, Karl E*521	Fried, Bernard*469	Lowin, Aaron*127	Savage, E. P*560
Behney, Clyde J $\dots$ *493	Frazier, P. Jean*77	MaCalina T. C. #109	Saward, Ernest W*317
Belcher, D. W*368	Free, Michael J*437	McGuire, L. S*103	Scanland, Patrick*360
Bellin, Seymour S*446	Frist, William*231	McLachlan, Gordon *332	Sencer, David J. (July–
Bernheimer, Liz271	Fujinaka, Ivan T*171	McNally, Michael S *533	August inside cover)
Betts, William A*256	· -	McNerney, Walter J*336	Serjeant, G. R*265
Bicknell, William J*29	Garramone, Marie A*496	MacLeod, Gordon K*343	Shambaugh, J. Philip94
Birch, Janet Scott*412	Giddon, Donald B*508	Malberg, J. W*560	Shepperd, James D., Jr .*452
Bleich, Donald*373	Glasgow, John M*67	Marcus, Marvin*373	Sinnette, Calvin*514
Booth, Richard F*533	Glass, Roger I*154	Maturi, Vincent F92, 188	Somers, Anne R .*231, *354
Brandt, Ursula C*86	Goldsmith, Harold F94	May Lan, Shu-Ping*514	Simborg, Donald W*118
Brinzey, Carolyn C*67	Gorwitz, Kurt*141	Meade, James M*62	Stender, William*231
Brooks, Richard S93	Gosfield, Alice G*403	Michaels, Richard H*464	Stern, Michael*103
Brown, Andrew J*236	Graham, Saxon*218	Miike, Lawrence H411	Stiles, C. W**563
Brown, Larry E*552	Grebin, Burton*226	Miller, Jean*249	Stiles, Samuel V*24
Bryan, John A*349	Greer, Ann Lennarson*56	Mirand, Edwin A*218	Strain, Rose S*133
Bryant, Nancy H *231, 273	Gross, Michael*168	Mitchell, John H*504	Strauss, Marvin D*51
Bulman, John S*508	Grover, Paul L., Jr*249	Moore, Florence M*354	Strumpf, George B*496
Burney, Leroy E**88	Guyer, Bernard*133	Moran, Merle K274	Surles, Kathryn B*556
Carroll, David F*469	Hole Frenk *545	Morrison, Florence R *433	
Chamberlain, Naomi H .268	Hale, Frank A*545	Morrone, Frank*19	Tabak, Mark H
Chin, James*433	Harten, Carol J*51 Helpern, Milton*477	Mosier, Marilyn*508	Tessari, J. D*560
Christensen, Dale B*406	Heipern, Mitton $\dots$ $477$ Hess, Arthur E $\dots$ $*299$	Mugge, Robert H*423	Tolsma, Dennis D*349
Colton, Theodore*508	Higa, Harry H*171	Nelson, Bardin, Jr*72	Tomberlin, Thomas J*552
Combs, Phyllis A*122	Horwitz, Ole $\dots$ *146	Nelson, Scott*243	
Comstock, George W*276	Hudgins, Michael P*433	New, Mary*446	Van Baelen, Anita*373
Cooke, Thomas M485	Hutcheson, Robert H., Jr *133	North, Charles Q., Jr*464	
Cooper, Theodore	Huteneson, Robert H., Jr 100	Novick, Lloyd F.	Wagner, Marguerite273
(January–February, May–	Isbister, James D.	*138, *226, *514	Walsh, Diana Chapman .*29
June inside cover)	(September-October	Nycz, Gregory R*504	Webster, Evelyn G*533
*116, *491	inside cover)	- , - , - , - , - , - , - , - , - , - ,	Weikel, M. Keith*303
Coulehan, John L*464		Ocran, K*368	Weiss, Robert J*86
Cornell, Richard G*552	Jacobs, Arthur R*545	Ogden, Horace G*199	Welty, Thomas K*464
Coulter, Martie*521	Jenny, Joanna*77		Wenzel, Frederick J*504 Wormer, S. Bengen *422
	Johnson, Katherine A*24	Paladino, Diane*67	Werner, S. Benson *433
Dallas, James Lee*46	Johnson, Paul W. C*556	Parris, Elizabeth C274	Wertheimer, Albert I *406
Darrow, Marilyn M*146	Jones, Gary E*469	Pearl, Raymond**383	Wheeler, H. W*560
Davis, Karen*309	Joseph, Stephen C*159	Pecarchik, Robert*72	Wilkinson, Gregg S*218 Williams Karl F *464
Dennis, Ruth*141	Justice, Blair*110	Person, Philip H., Jr *395	Williams, Karl E*464
Desai, P*265		Peterson, Roland L*9	Wills, William
Dickinson, Karen (R.)	Kempner, Mark A*51	Pobee, J. O. M*368	Windle, Charles94 Wolfo, Somuel #412
*138, *226	Kirchheimer, F	Rabinowitz, Herbert S *211	Wolfe, Samuel*412 Woolpert, Shirley F*276
Dobmeyer, Thomas W .*127	Kleinman, Joel C . *86, *423	Raffel, Marshall W*458	Wright, Robert D**178
Donabedian, Avedis*322	Larbi, E. B*368	Ramsden, E. L $\dots$ *281	Wurapa, F. K
Duncan, David F*110	LeaMond, Nancy A*303	Reid, Richard A*471	wutapa, r. is
Eager, J. M**284	Lemley, Diana K*464	Richie, Nicholas D*261	Zimmerli, William H *211
Endicott, Kenneth M.	Levin, Lowell S*206	Roccella, Edward J*223	Zimmermann, W. J*526
(March-April, November-	Litman, Theodor J*538	Ricci, Edmund*72	Zwick, Daniel I*493
(	···· , ·· ··· <b>··· ··· ···</b> ··· ··· ···	,	,

•- ·