CONTENTS continued

The promotion of physical activity in the United States population: the status of
programs in medical, worksite, community, and school settings
Donald C. Iverson, Jonathan E. Fielding, Richard S. Crow, and
Gregory M. Christenson

ARTICLES

PREVENTION 225 Health promotion for the elderly 225 Margaret M. Heckler 225 Effectiveness of measures to prevent unintentional deaths of infants and children 231 from suffocation and strangulation 231 Jess F. Kraus 231 DEPARTMENTS 231 LETTER TO THE EDITOR 117

PREVENTION BRIEFS

Morning TV show helps boost weight loss habits, Herman M. Frankel, Victor J.
Stevens, Judith Dyer, and Anneke Hathaway – Institute of Medicine study
issued on prevention of low birthweight — New PHS program promotes
healthful practices among older Americans — Guidance on pretesting PSAs
available to health communicators

PROGRAMS, PRACTICES, PEOPLE

EDUCATION NOTES

Educational Resource Centers — NIOSH course listing — Graduate Summer Session in Epidemiology	248
PUBLICATIONS	
Federal	250
Non-Federal	251
COVER 3	

"Health, United States, 1984"

HINNIN SERVICES LOP

212

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES Margaret M. Heckler, Secretary.



PUBLIC HEALTH SERVICE James O. Mason, MD, DrPH Acting Assistant Secretary for Health

PUBLIC HEALTH REPORTS (USPHS 324-990) ISSN 0090-2818

Editorial Board

Dr. C. Everett Koop, Surgeon

- General and Chairman
- Dr. George E. Hardy, Jr., CDC Dr. Robert S. Gordon, Jr., NIH
- Dr. Everett Rhoades, HRSA
- Dr. Stuart Nightingale, FDA
- Dr. Harold A. Pincus, ADAMHA

Marian Priest Tebben, Executive Editor

Ellen Casselberry, Assistant Executive Editor

William N. LeVee, Associate Editor Ronald J. Kostraba, Conceptual Desian

Rick Mowery, Art Director

Public Health Reports is published six times a year. Opinions expressed are the authors' and do not necessarily reflect the views of *Public Health Reports* or the Public Health Service. Trade names are used for identification only and do not represent an endorsement by the Service.

The Secretary of Health and Human Services has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through September 30, 1985.

Address correspondence to:

Editor, *Public Health Reports* Rm. 721-H, Hubert H. Humphrey Bldg. 200 Independence Ave., SW Washington, D.C. 20201 AC 202:426-5146

Subscription Information

Public Health Reports is for sale by the Superintendent of Documents. U.S. Government Printing Office. Washington, D.C. 20402. All correspondence about paid subscriptions (for example, change of address or failure to receive an issue) should also be addressed to the Superintendent of Documents.

- 33. Puterbaugh, J. S., and Lawyer, C. H.: Cardiovascular effects of an exercise program: a controlled study among firemen. J Occup Med 25: 581-586 (1983).
- 34. Fielding, J. E.: Health promotion and disease prevention at the worksite. Annu Rev Public Health 5: 237-265 (1984).
- Fielding, J. E.: Effectiveness of employee health improvement programs. J Occup Med 24: 907-916 (1982).
- 36 Study reveals gap between fitness directors' training and duties. Empl Health and Fitness, 5: 1-2 (1983).
- 37. Davis, M. F., et al.: Worksite health promotion in Colorado. Public Health Rep 99: 538-543 November-December 1984.
- Fielding, J. E., and Breslow, L.: Health promotion programs sponsored by California employers. Am J Public Health 73: 538-542 (1983).
- 39. Canadian Public Health Association: Results of the employee fitness program survey. Ottawa, 1981.
- 40. Washington Business Group on Health: Health promotion, prevention, education survey. Washington, DC, 1979.
- 41. Morton, W.: Corporate fitness programs: trends and results. Fitness Systems Inc., Los Angeles, CA, 1979.
- 42. Minnesota Department of Health: Minnesota worksite risk reduction programs. Minneapolis, 1983.
- 43. Statistics aren't necessary—Bonne Bell knows its program works. Empl Health Fitness 5: 125-126 (1983).
- 44. Parkinson, R. S.: Managing health promotion in the workplace: Guidelines for implementation and evaluation. Mayfield Publishing Company, Palo Alto, CA, 1982.
- 45. Pate, R. R., and Blair, S. N.: Physical fitness programming for health promotion at the worksite. Prev Med 12: 632–643 (1983).
- 46. Collis, M. L.: Employee fitness. Canadian Government Publishing Center, Ottawa, 1982.
- Puska, P., et al.: Health knowledge and community prevention of coronary heart disease. Int J Health Educ 24 (supp.): 1-11 (1981).
- Meyer, A. J., et al.: Skills training in a cardiovascular health education campaign. J Consult Clin Psychol 48: 129-142 (1980).

- 49. Davis, M. F., and Iverson, D. C.: An overview and analysis of the HealthStyle campaign. Health Educ Q. In press.
- 50. Steidl, P.: Life—be in it. national programme evaluation. Commonwealth of Australia, Canberra, 1979.
- 51. Blackburn, H.: Research and demonstration projects in community cardiovascular disease prevention. J Public Health Policy 4: 398-421 (1983).
- 52. Blackburn, M., et al.: The Minnesota heart health program: a research and demonstration project in cardiovascular disease prevention. *In* Settings for health promotion in behavioral health: a handbook for health enhancement and disease prevention, edited by S. Weiss. John Wiley and Sons, Silver Spring, MD, 1984.
- U.S. Department of Health and Human Services: Promoting health/preventing disease: objectives for the nation.
 U.S. Government Printing Office, Washington, DC, fall 1980.
- 54. Jensen, G.: State responsibilities for physical education and sport. In National Conference of Senior Officials to Consider UNESCO Recommendations on Physical Education and Sport (report). U.S. Department of Health, Education, and Welfare, Washington, DC, November 1978, pp. 53-65.
- 55. Reiff, G.: Physical fitness guidelines for school age youth. In Proceedings of the National Conference on Physical Fitness and Sports for All. President's Council on Physical Fitness and Sports, Washington, DC, 1980, pp. 25-31.
- 56. Reiff, G. G., Krall, W., and Hunsicker, P. A.: The fitness of American youth, program status, and implications for physical education in the United States. *In* National Conference of Senior Officials to Consider UNESCO Recommendations on Physical Education and Sport (report). U.S. Department of Health, Education, and Welfare, Washington, DC, November 1978, pp. 35-45.
- 57. Office of Disease Prevention and Health Promotion, Public Health Service: Summary of findings for national children and youth fitness study. Washington, DC, Oct. 16, 1984.
- Updyke, W. F.: AAU/NABISCO physical fitness program: annual report of results. Nabisco Brands, USA, Bloomington, IN, October 1984.

today no health Professional Gets far Without a Well-furnished Mind.

Let **Public Health Reports** keep you posted on new policies and important findings in your field.

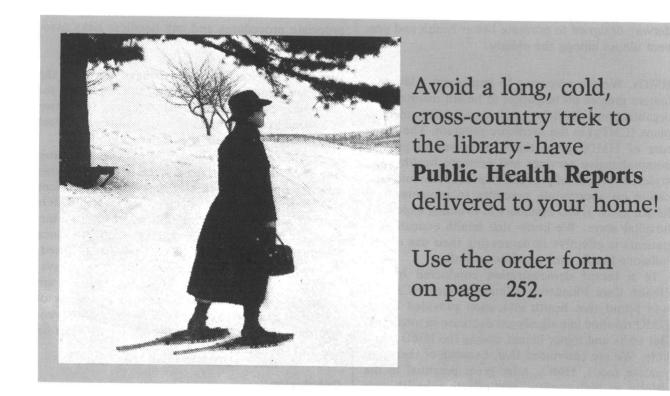
If you now see **PHR** only irregularly, why not subscribe? Use the order blank on page 252. and Human Services. Public and private organizations have been very responsive to the initiative on the aging, and they are continuing to develop new programs that serve the needs of the elderly. Continued public-private collaboration can ensure that the impact of this initiative is not short-lived. Resources can be directed at the development of programs at the State and local levels. On a national level, we can continue to stimulate health promotion activities for older persons. All of these efforts will contribute to the maintenance and improvement of the health of the elderly, enabling them to enjoy more satisfying lives.

References

- Healthy people: the Surgeon General's report on health promotion and disease prevention. DHEW Publication No. (PHS) 79-55071, U.S. Government Printing Office, Washington, DC, 1979, p. 71.
- U.S. Bureau of the Census: The projections of the population of the United States by age, sex, and race, 1983-2030. Current Population Reports, Series P-25, No. 952, May 1984.
- 3. Maloney, S. K., Fallon, B., and Wittenberg, C. K.: Aging and health promotion: market research for public education

(executive summary). Public Health Service, Office of Disease Prevention and Health Promotion, Washington, DC, May 1984.

- Waldo, D., and Lazenby, H. C.: Demographic characteristics and health care use and expenditures by the aged in the U.S., 1977-1984. Health Care Financing Rev 6:1-30, fall 1984.
- Briefing booklet: questions and answers about the National Cancer Institute's Cancer Prevention Awareness Program. National Cancer Institute, Bethesda, MD, Mar. 1, 1984.
- 6. Department of Health and Human Services: Promoting health/preventing disease: objectives for the nation. U.S. Government Printing Office, Washington, DC, fall 1980.
- Aging and health promotion: marketing research for public education, contract 282-83-0105. Public Health Service, Office of Disease Prevention and Health Promotion, Washington, DC, May 1984.
- A healthy old age: a source book for health promotion with older adults. Administration on Aging, Washington, DC, 1984.
- 9. Prevention of injury to older adults; selected bibliography. Centers for Disease Control, Center for Environmental Health and Center for Health Promotion and Education. Atlanta, GA, May 1984
- 10. Handbook on Alzheimer's disease. Administration on Aging, Washington, DC, 1984.
- Health Care Financing Administration: Regular reports, Office of Group Health Plans Operations. Washington, DC, June 1984.



Information for contributors

Address correspondence on editorial matters to Editor, PUBLIC HEALTH REPORTS, Room 721 H Hubert H. Humphrey Building 200 Independence Ave. SW Washington, D.C. 20201 Area code 202: 426-5146

PUBLIC HEALTH REPORTS, published by the Public Health Service, welcomes from any source contributions of value to public health, disease prevention, health promotion, medical care, and community medicine.

We are particularly interested in publishing scientific papers concerned with the delivery of health services and with the many facets of health care, as well as technical reports documenting studies and research efforts. We also seek papers on new programs, new projects, and new ideas, even when they are experimental in nature. We want to record the current happenings in the health field.

Manuscript form. To facilitate review, authors should submit four copies of their manuscripts. All copy, including references, should be typed double spaced. Each chart and table should be placed on a separate sheet of paper. References should follow the style used by the journal; "et al." should be used only if there are more than four authors. Footnotes should be worked into the text. Authors' affiliation should appear on a separate sheet. Authors are expected to recognize scientific contributions by those who have assisted them only if such contributions warrant mention in the author identification space or in the text. Journal policy does not allow publication of separate "acknowledgements." Black and white photos and charts that illustrate papers are welcome.

More detailed instructions, including examples of our reference style and information on the preparation of a synopsis, will be supplied on request.

Manuscript review. Most manuscripts submitted for publication are reviewed by technical experts in the Public Health Service as well as experts not associated with the Service. Authors are given the opportunity to consider reviewers' comments or suggestions. They also receive edited typescripts for approval. Authors are responsible for the accuracy and validity of all material, including tables, charts, and references.

Manuscripts are reviewed with the understanding that they have not been submitted for publication elsewhere. Appropriate information should be supplied if a paper has been presented at or prepared for a meeting.

Tearsheets. In lieu of reprints, senior authors are provided with 100 to 150 sets of tearsheets after publication. Associate authors receive 10 to 50 sets each.

Secondary publication and indexing. Secondary publication of articles is provided in various abstracting journals (Abstracts for Social Workers, Current Literature in Family Planning). Articles are indexed in the annual Cumulated Index Medicus and monthly Index Medicus (National Library of Medicine), Engineering Index, Hospital Literature Index (American Hospital Association), Cumulative Index to Nursing and Allied Health Literature, American Statistics Index, and Medical Socioeconomic Research Sources (MEDSOC), as well as in the Institute for Scientific Information's Current Contents (Social and Behavioral Sciences, Life Sciences, and Physical & Chemical Sciences), Social Sciences Citation Index, Bibliographic Index of Health Education Periodicals, and Science Citation Index. Initially, the center will be concerned with extramural research, investigator development, and scientific review. Plans will be made for a future intramural research program.

A nationally recognized nurse researcher, with an earned doctorate and a background in both research and administration, is being sought to head the center.

Establishment of an "organizational entity" by the Federal Government for nursing research was recommended in the Institute of Medicine's 1983 study, "Nursing and Nursing Education: Public Policies and Private Actions." The study pointed out that "a focal point is needed at the national level to foster research that informs nursing and other health care practices and increases the potential for discovery and application of various means to improve patient outcomes."

Noting that 1985 marks the 30th year of Federal support for nursing research, Secretary Heckler added, "this action is the best approach to implementing the Institute's recommendation and meeting the needs for nursing research."

Papers Sought for Special Issue of Pediatric Psychology Journal

The Journal of Pediatric Psychology is soliciting papers for a special issue that will focus on health promotion and problem prevention. The issue, to be published in June 1986, will cover such topics as prevention of smoking, alcohol and drug abuse, accidents and injuries, and psychological maladjustment in pediatric settings, as well as promotion of healthful lifestyles. The contribution of pediatric psychology should be described in addressing these topics or others selected.

All types of papers will be considered, but empirical studies and evaluative reports in particular are encouraged. All submissions should be prepared according to the "Instructions to Contributors" printed on the back inside cover of the journal. The American Psychological Association's "Publication Manual" (third edition) should be followed.

The deadline for submission of manuscripts is October 1, 1985. Papers should be directed to the journal's editor, Gerald P. Koocher, PhD (Children's Hospital Medical Center, 300 Longwood Ave., Boston, MA 92115), with a covering letter requesting consideration of the paper for the special issue.

Surgeon General Plans Workshop on Violence

The Surgeon General of the United States will gather the nation's leading medical, public health, and social service authorities to examine the modern American phenomenon of violence October 27–29, 1985, in Leesburg, VA (just outside Washington, DC).

Dr. C. Everett Koop said the purpose of the Workshop on Violence and Public Health is "to convince the medical and public health professions that interpersonal violence is a serious issue affecting the health and well-being of millions of Americans, that they can play a vital role in violence prevention, and that they should develop an effective response strategy." The Workshop, he continued, will attempt to:

• improve communications across the medical, public health, and social services disciplines;

 stimulate graduate and continuing education programs on the identification and treatment of victims and on prevention; and

 encourage the general public to understand that violence threatens public health as well as public order and must be prevented.

Participation will be by invitation only. Some 150 practitioners and researchers are expected to attend the 2½-day meeting. They will hear Dr. Koop and other speakers explore every facet of violence, especially that which occurs within households and within families.

Work groups will then concentrate on such components of the problem as child abuse, spouse abuse, sexual assaults, elder abuse, and homicide.

Participants will present their recommendations to the Surgeon General at the closing plenary session of the Workshop.

Cosponsoring the workshop with the Surgeon General are the Alcohol, Drug Abuse, and Mental Health Administration; the Division of Maternal and Child Health of the Health Resources Administration; and the Epidemiology of Violence Branch of the Centers for Disease Control—all components of the Public Health Service.

In addition, the Administration on Children, Youth, and Families and the Administration on Developmental Disabilities, both of the Department of Health and Human Services, and the Office of Juvenile Justice and Delinquency Prevention in the Justice Department are cosponsors.

EDUCATION NOTES

Training courses in occupational safety and health are given by the National Institute for Occupational Safety and Health (NIOSH) directly or in cooperation with professional organizations or agencies. In addition, NIOSH sponsors centers for learning called Educational Resource Centers in universities throughout the country. Following is a list of courses being offered by the various centers in the next few months. To obtain further information such as application deadlines, contact the persons specified in the listing.

HARVARD EDUCATIONAL RESOURCE CENTER

Radiation Protection Instrumentation, April 15–19, \$800.

Control of Occupational Exposures in Nuclear Power Plants, May 13-17, \$800.

Planning for Nuclear Emergencies, June 10-14, \$800.

In-place Filter Testing Workshop, June 10-14, \$1,000.

For information, write or call the Office of Continuing Education, Harvard School of Public Health, 677 Huntington Ave., Boston, MA 02115–9957 (617: 732–1171).

NEW YORK-NEW JERSEY EDUCATIONAL RESOURCE CENTER

Current Trends in Industrial Hygiene, April 15–18, \$125 a day or \$425 for all 4 days.

Occupational Safety and Health in Hospitals, May 15, \$125. Fundamentals of Occupational Safety, June 20–21, \$200.

Write or call Ms. Lee Laustsen, Program Coordinator for Occupational Nursing and Medicine, Office of Consumer Health Education, University of Medicine and Dentistry of New Jersey, Rutgers Medical School, Piscataway, NJ 08854 (201: 463-4500).

JOHNS HOPKINS EDUCATIONAL RESOURCE CENTER

Asbestos: the Workplace, Buildings, and Schools—Risk Assessment and Management, April 16–17, \$300.

Intensive Training in Spirometry Testing, June 13-14, \$350.

Toxicology Update '85, June 17-19, \$400.

Contact Dr. Jacqueline Corn, Department of Environmental Health Sciences, Johns Hopkins School of Hygiene and Public Health, Johns Hopkins University, 615 North Wolfe St., Baltimore, MD 21205 (301: 955–2609).

NORTH CAROLINA EDUCATIONAL RESOURCE CENTER

Sampling and Evaluating Airborne Asbestos Dust, May 13–16, \$550.

Worker's Compensation, June 6, \$100.

Contact Ted M. Williams, Occupational Safety and Health Educational Resource Center, 109 Conner Dr., Suite 1101, Chapel Hill, NC 27514 (919: 962– 2101).

ALABAMA EDUCATIONAL RESOURCE CENTER

Women in the Workplace, April 11, \$25-50.

Write or call Dr. Kathleen C. Brown, University of Alabama in Birmingham, School of Nursing, Birmingham, AL 35294 (205: 934-4210).

CINCINNATI EDUCATIONAL RESOURCE CENTER

Hazardous Materials Management for Site Personnel, course 1050, April 16–17, *free*.

Respirator Fit Testing. course 1090, April 18–19, \$295.

Industrial Toxicology, course 6001, April 23–24, \$295.

Pulmonary Function Testing Refresher Course, course 4051, May 2-3, \$190.

For information, contact Grace K. Lemasters, PhD, Director, Continuing Education, ML 182, University of Cincinnati, 231 Bethesda Ave., Cincinnati, OH 45267-0182 (513: 872-5733).

Miniresidency in Occupational Medicine for Physicians, June 10–21, 1985, October 21–25, 1985, and March 17–21, 1986; the 1-week segments may be taken in successive years if program is not completed in 1 year. Open to all physicians. Tuition for 2-week segment is \$1,200 and for each 1-week segment, \$600; tuition is due June 10.

Contact Sidney Lerner, MD, College of Medicine, ML 182, University of Cincinnati, Cincinnati, OH 45267 (513: 872–4043).

ILLINOIS EDUCATIONAL RESOURCE CENTER

Information Sources in Occupational Safety and Health (for local students only), May 2, no charge.

Health Hazards in the Arts and Crafts Update, May 9, \$50.

Review Course in Preventive and Occupational Medicine, June 24–27, \$500.

For information, contact Susanne J. Klein, Director of Programs in Continuing Education, University of Illinois at Chicago, Great Lakes Center for Occupational Safety and Health, P.O. Box 6998, Chicago, IL 60680 (312: 996-0807).

MICHIGAN EDUCATIONAL RESOURCE CENTER

Occupational Ergonomics, June 3-7, \$725.

Advanced Concepts in Ergonomics, June 10–12, \$575 (both the basic and advanced ergonomics courses are available for \$1,100).

Microcomputer Applications in Industrial Hygiene and Safety Engineering, June 17–18, \$350.

Contact Leslie Gallay, Director, Continuing Education, Center for Occupational Health and Safety Engineering, 1205 Beal, the University of Michigan, Ann Arbor, MI 48109 (313: 763-0567).

MINNESOTA EDUCATIONAL RESOURCE CENTER

Workers' Right to Know, April 16, \$35.

Worker's Compensation: A Management Approach to Working Within the System, May 16, \$95.

Training Workshop in Pulmonary Function Testing, May 1-3, \$350.

Recognition and Control of Accident Potential in the Workplace Due to Human, Psychological, and Ergonomic Factors, May 8-9, \$245.

Sampling and Evaluating Airborne Asbestos Dust, June 10–14, \$450.

Contact Ruth K. McIntyre, Director, Continuing Education, Midwest Center for Occupational Health and Safety, 640 Jackson St., St. Paul, MN 55101 (612: 221–3992) or Regina M. Hoffman, Program Coordinator (612: 221–3996) at the same address.

UTAH EDUCATIONAL RESOURCE CENTER

Safety in the Workplace, to be held May 7–9 in Salt Lake City, cost unavailable at press time.

Ergonomics in the Workplace: Back Injury Prevention and Control, to be held June 12 in Salt Lake City, *\$50*.

Contact Katharine E. Blosch, Director, Continuing Education, Rocky Mountain Center for Occupational and Environmental Health, Bldg. 512, University of Utah, Salt Lake City, UT 84112 (801: 581–5710).

NORTHERN CALIFORNIA EDUCATIONAL RESOURCE CENTER

Industrial Ventilation, June 3–7, cost unavailable at press time. Contact Lela D. Morris, RN, MPH, Continuing Education Coordinator, Northern California Occupational Health Center, University of California, 2521 Channing Way, Berkeley, CA 94720 (415: 642–5507).

Fourth Annual Occupational Medicine Symposium, June 6–7, \$125 for medical doctors, \$75 for nonmedical doctors, and \$25 for students. For information, contact Marc Schenker, MD, Program Director, Occupational and Environmental Health Unit, Department of Internal Medicine, T.B. #136, University of California, Davis, CA 95616 (916: 752–3317).

SOUTHERN CALIFORNIA EDUCATIONAL RESOURCE CENTER

Pulmonary Function Testing in the Occupational Health Setting, May 15–17, \$295.

Contact Jane M. Welgan, RN, MS, Continuing Education Director, University of California, Southern Occupational Health Center, 19722 MacArthur Boulevard, Irvine, CA 92717 (714: 856– 5526).

Ionizing and Non-ionizing Radiation, April 1–5, \$800.

Industrial Ventilation Fundamentals, June 10–14, *\$650*.

Meeting Your Responsibility for Worker Training and Right to Know, June 24–26, \$400. Contact Richard K. Brown, PhD, Associate Executive Director for Extension and In-Service Programs, University of Southern California, Institute of Safety and Systems Management, Extension and In-Service Programs, University Park, MC 0021, Los Angeles, CA 90089–0021 (213: 743–6523, 743–6383).

NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH (NIOSH)

Industrial Hygiene Measurements, NIOSH 550, to be held September 9–19 in Cincinnati, \$760.

Industrial Hygiene Engineering, NIOSH 551, to be held April 15–26 in Cincinnati, *\$760.*

Sampling and Evaluating Airborne Asbestos Dust, NIOSH 582, to be held July 8–12 and again July 15–19 in Cincinnati, \$420.

Ionizing Radiation, NIOSH 584, to be held August 5–9 in Cincinnati, \$420.

Occupational Respiratory Protection, NIOSH 593, to be held July 22–25 in Cincinnati, *\$420*.

For further information, write or call Donna Welage, Training Registrar, Division of Training, National Institute for Occupational Safety and Health, 4676 Columbia Parkway, Cincinnati, OH 45226 (513: 684-8225).

Recognition of Occupational Health Hazards, NIOSH 510, to be held May 6–10 in Philadelphia, \$360.

Contact Dr. Samuel Elkin, Temple University, School of Pharmacy, 3307 North Broad St., Philadelphia, PA 19140 (215: 221–4915). **Evaluation and Treatment of Outlier Data**, NIOSH 556, to be held April 2-4 in Cincinnati, \$300.

Industrial Hygiene Laboratory Quality Control, NIOSH 587, to be held August 26-30 in Cincinnati, \$360.

Contact Thomas Ratliff, R & R Associates, P.O. Box 46181, Cincinnati, OH 45246 (513: 771–2490).

Industrial Hygiene Sampling, Decisionmaking, Monitoring, and Recordkeeping: Sampling Strategies, NIOSH 553, to be held April 29-May 3 and again September 9-13 in Cincinnati, \$420.

Industrial Ventilation, NIOSH 588, to be held August 19–23 in Cincinnati, \$420.

Contact Charles M. Nenadic, CES, P.O. Box 75120, Cincinnati, OH 45275 (606: 341–8874).

Graduate Summer Session in Epidemiology. Sponsored by the American Public Health Association, the Association of Teachers of Preventive Medicine, and the American College of Preventive Medicine, the 20th Anniversary Graduate Summer Session in Epidemiology will be held June 23 to July 13 at the University of Minnesota. It will be presented through the School of Public Health, Health Sciences Center, and the Nolte Center for Continuing Education.

Graduate summer sessions are designed for teachers; postdoctoral fellows; graduate students and residents in preventive medicine and other medical school departments; graduate students in schools of public health, dentistry, and veterinary medicine; and qualified personnel of Federal, State, and local health agencies. Courses are expected to be in programmatic clusters that allow members of special interest groups to take several advanced courses during the same year. Programmatic clusters include infectious diseases, chronic diseases, environmental and occupational diseases, methods, and hospital-associated diseases.

Offerings for this year's summer session include Fundamentals of Biostatistics, Fundamentals of Epidemiology, Clinical Epidemiology, Epidemiology of Infectious Diseases, Hospital Epidemioology and Infection Control, Epidemiology of Cancer, Epidemiology of Cardiovascular Diseases, Environmental and Occupational Epidemiology, and advanced statistics courses.

Additional advanced courses will be offered. They may include Surveillance and Control of Communicable Diseases, Epidemiology and Health Policy, Diseases Due to Drugs, Epidemiology of Injuries, Categorial Analysis of Data, Statistical Regression, Nutritional Epidemiology, Epidemiology of Alcoholism, Clinical Trials, International Epidemiology, and Epidemiology of Aging.

Category I credit will be awarded through the American College of Preventive Medicine for the American Medical Association's Physicians Recognition Award.

Tuition for the 3-week session is \$375 for one class, \$600 for two or three classes, and \$700 for four classes. Special rates for food and lodging in dormitories will be arranged. Limited tuition aid may be available to U.S. residents, although registrants should be prepared to explore alternative funding as soon as possible.

To obtain more information, write Dr. Leonard M. Schuman, Director, Graduate Summer Session in Epidemiology, School of Public Health, P.O. Box 197, Mayo Memorial Bldg., University of Minnesota, Minneapolis, MN 55455.

PUBLICATIONS

FEDERAL

The Menopause Time of Life. National Institute on Aging, single copies free. Send postcard to Expand Associates— MENO, 7923 Eastern Ave., Suite 400, Silver Spring, MD 20910.

An In-Depth Examination of the 1980 Decennial Census Employment Data for Health Occupations. ODAM report No. 16–84, 1984, free; executive summary, ODAM report No. 17–84, 1984, free. Write Howard V. Stambler, Director, Office of Data Analysis and Management, 5600 Fishers Lane, Rm. 8–41, Parklawn Bldg., Rockville, MD 20857.

Proceedings of the Workshop on Health Manpower Shortage Area Designation, September 13-16, 1983, San Diego, California. ODAM report No. 6–84, 1984, 228 pages, free. Write Howard V. Stambler, Director, Office of Data Analysis and Management, 5600 Fishers Lane, Rm. 8–41, Parklawn Bldg., Rockville, MD 20857.

Initiatives for Arthritis: Progress and Future Directions. A Report of the National Arthritis Advisory Board. *NIH* publication No. 84–2678, April 1984, 47 pages, free from NIADDK, Bldg. 31, Rm. 9A–04, 9000 Rockville Pike, Bethesda, MD 20205.

1983 Annual Report on the Administration of the Radiation Control for Health and Safety Act of 1968 (Public Law 90–602), April 1, 1984. Center for Devices and Radiological Health, Food and Drug Administration, \$10 (paper) and \$4.50 (microfiche). Available from the National Technical Information Service, Springfield, VA 22161. NTIS accession No. PB 84– 213842. U.S. Government Printing Office, Superintendent of Documents, Washington, DC 20402. Orders should be accompanied by check or money order and give title and GPO stock No.

Diagnosis-Related Groups: the Effect in New Jersey, the Potential for the Nation. *Health Care Financing Administration*, 1984, \$7. GPO stock No. 017-060-00160-7.

Long-Term Care Financing and Delivery Systems: Exploring Some Alternatives. *Health Care Financing Administration*, 1984, \$5. GPO stock No. 017–060–00158–5.

Medicare: Selected State Data, 1978– 1982. Health Care Financing Administration, 1984, \$4.50. GPO stock No. 017–060–00156–9.

Where to Write for Vital Records: Births, Deaths, Marriages, and Divorces. National Center for Health Statistics, DHHS publication No. (PHS) 84–1142, 1984, 20 pages, \$1.75. GPO stock No. 017–022–00847–5.

Health Characteristics by Geographic Region, Large Metropolitan Areas, and Other Places of Residence, United States, 1980–81. National Center for Health Statistics, Vital and Health Statistics, series 10, No. 146, 96 pages, \$3.25. GPO stock No. 017–022– 00844–1.

Trends in Teenage Childbearing, United States, 1970–81. National Center for Health Statistics, Vital and Health Statistics, series 21, No. 41, 1984, 22 pages, \$1.75. GPO stock No. 017–022–00851–3.

NON-FEDERAL

Institutional Ethics Committees and Health Care Decision Making. *Edited* by R. E. Cranford and A. E. Doudera, 1984, \$28. Health Administration Press, University of Michigan, 1021 E. Huron, Ann Arbor, MI 48109.

Introduction to Health Planning, Third Edition. By Philip N. Reeves, David F. Bergwall, and Nina B. Woodside, 1984, \$27.50 plus \$2.30 postage and handling. Information Resources Press, 1700 N. Moore St., Suite 700, Arlington, VA 22209.

Access to Medical Care in the U.S.: Who Has It, Who Doesn't. By Lu Ann Aday, Gretchen V. Fleming, and Ronald M. Andersen, 1984, 240 pages, \$24.95. Pluribus Press, Inc., 160 E. Illinois St., Chicago, IL 60611.

Matters of Llfe and Death: Risks vs. Benefits of Medical Care. By Eugene D. Robin, 1984, 205 pages, \$11.95 (paper) and \$21.95 (hardcover). W. H. Freeman and Co., 41 Madison Ave., New York, NY 10010.

Health Care of Homeless People. 1984, 368 pages, \$29.95, Springer Publishing Co., 536 Broadway, New York, NY 10012.

Healthcare Financial Management Association, 1900 Spring Rd., Suite 500, Oak Brook, IL 60521.

Long-Term Care: Challenges and Opportunities. 1984, \$12. Call the HFMA Order Department toll free (1: 800: 252–4362; in Illinois call 1: 800: 821–6459).

Description and Analysis of Medicare Prospective Price Setting Including Changes for Year Two. *Revised 1984*, 52 pages, \$4.

Institute for Health Planning, 702 North Blackhawk Ave., Madison, WI 53705.

Bed Reduction Strategies. By Carol C. Oviatt, 1984, 55 pages, \$10.

Criteria and Standards Sourcebook. 1984, looseleaf, \$15.

World Health Organization (WHO), Publications Centre, U.S.A., 49 Sheridan Ave., Albany, NY 12210.

World Health Statistics 1984. 1984, 385 pages, 40 Swiss francs, 1984, ISBN 92 4 067841 7.

Health System Support for Primary Health Care. A Study Based on the Technical Discussions Held During the Thirty-Fourth World Health Assembly, 1981. Public Health Papers 80. By B. M. Kleczkowski, R. H. Elling, and D. L. Smith, 1984, 104 pages, 10 Swiss francs, ISBN 92 4 130080 9.

The International Drinking Water Supply and Sanitation Decade. Review of National Baseline Data (as of 31 December 1980). WHO Offset Publication No. 85, 1984, 169 pages, 15 Swiss francs, ISBN 92 4 170085 8.

Urban Air Pollution, 1973-80. Global Environment Monitoring System

(GEMS). 1984, 96 pages, 11 Swiss francs. ISBN 92 4 156082 7.

Biological Substances. International Standards, Reference Preparations, and Reference Reagents 1984. 1984, 88 pages, 11 Swiss francs, ISBN 92 4 154199 7.

Road Traffic Accidents in Developing Countries. Technical Report Series 703. 1984, 36 pages, 5 Swiss francs, ISBN 92 4 120703 5.

WHO Expert Committee on Specifications for Pharmaceutical Preparations. Twenty-Ninth Report. Technical Report Series 704. 1984, 54 pages, 6 Swiss francs, ISBN 92 4 120704 3.

The Role of Food Safety in Health and Development. Report of a Joint FAO-WHO Expert Committee on Food Safety. *Technical Report Series 705,* 1984, 79 pages, 7 Swiss francs, ISBN 92 4 120705 1.

Recommended Health-Based Occupational Exposure Limits for Respiratory Irritants. Report of a WHO Study Group. Technical Report Series 707, 1984, 154 pages, 14 Swiss francs, ISBN 92 4 120707 8.

Education and Training of Nurse Teachers and Managers with Special Regard to Primary Health Care. Technical Report Series 708, 1984, 54 pages, 6 Swiss francs, ISBN 92 4 120708 6.

WHO Expert Committee on Rabies. Seventh Report. Technical Report Series 709, 1984, 104 pages, 9 Swiss francs, ISBN 92 4 120709 4.

Evaluation of Certain Food Additives and Contaminants. Twenty-Eighth Report of the Joint FAO-WHO Expert Committee on Food Additives. *Technical Report Series* 710, 1984, 44 pages, 5 Swiss francs, ISBN 92 4 120710 8.

Methylene Chloride. IPCS International Programme on Chemical Safety. Environmental Health Criteria 32, 1984, 55 pages, 8 Swiss francs, ISBN 92 4 154092 3.

Epichlorohydrin. IPCS International Programme on Chemical Safety. *Environmental Health Criteria* 33, 1984, 51 pages, 8 Swiss francs, ISBN 92 4 154093 1.

Extremely Low Frequency (ELF) Fields. Environmental Health Criteria 35, 1984, 131 pages, 13 Swiss francs, ISBN 92 4 154095 8.

The Work of WHO in the European Region 1983. Annual Report of the

Regional Director. 1984, 132 pages, 12 Swiss francs. ISBN 92 890 1019 3.

Nuclear Power: Accidental Releases —Principles of Public Health Action. WHO Regional Publications, European Series No. 16, 1984, 62 pages, 12 Świss francs, ISBN 92 890 1107 6.

Biomedical Research Involving Animals. Proposed International Guiding Principles. Proceedings of the XVIIth Council for International Organizations of Medical Sciences Round Table Conference. Edited by Z. Bankowski and N. Howard-Jones, 1984, 217 pages, 25 Swiss francs, ISBN 92 9036 017 8.

Pan American Health Organization, Pan American Sanitary Bureau. Regional Office of the World Health Organization, 525 23rd St., NW, Washington, DC 20037.

Prevention and Control of Genetic

Diseases and Congential Defects. Scientific publication No. 460. 1984, 26 pages, \$4 U.S., ISBN 92 75 11460 9.

Women, Health, and Development in the Americas: an Annotated Bibliography. Scientific publication No. 464. 1984, 106 pages, \$7 U.S., ISBN 92 75 11464.

Epidemiology and Control of Falciparum Malaria in the Americas. Scientific publication No. 471, 1984, 46 pages, \$6 U.S., ISBN 92 75 11471 4.

PUBLIC HEALTH

ORDER FORM

PLEASE PRINT OR TYPE

Plea																																	Γ	F	FOF	٩O	FFIC	CE	USI	E 01	٩L١	1
a ye					\$5.0	<i>J</i> U	tor	as	sın	gle	coj	by .	Doi	nes	St/C	; ar	nd 1	50.	25	toi	a	sing	jie d	сор	y I	FOI	reig	n.	(H	ISN	IH.	A)	6	Juant	ity				T	Cha	ges	
Nam	•-F	irs	r, Li 	st	1	I	1	1	I			1			1	1	I		1		1			1	1	1					1	1										
itre	et ac	Idre	BSS	•		-	- t	-				•				_					-	•			-					•		_	-		_		osed					
																																			_		e m crip		- I			
om	pan	y n	ame	or	add	litic	nal	ad	dre	iss l	ine																							Posta	je _				$ \rightarrow $			
																																		Foreig					+			~
City																							Sta	ste		Z	IP	Coc	le			_	- 1	MMO		-			+			
																																		OPNR		JPN	s		+			
or (our	ntry	·)																						_							_			_	Disc	ount	t				
																																				Refu						
Enc	lose	ed i	is \$													1						Ci	redi	it C	arc	d 0	rd	ers	On	ly		_ C		1SA] n	nast	er (cha	rge		
	che	ck,	C] n	non	ey	ord	ler	, o	r c	har	ge 1	to				1	VI.	54	•	1	Т	otal	l ch	arç	je s	\$_				_			Fill i	in t	he	box	es	bel	ow.		
my	Dep	oos	it A	CC	our	nt M	١o.									L					J	<u> </u>	redi			_	_		_													
			Γ	Γ	Γ	Т	٦-	٦.								1			Ö		1	-	ard			L																
 Drd	er N		L	-	I	-	-	L		I						ĺ	nas	'e'	h.;	Зe Г););		xpii ont				ate	[]									

Mail to: Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402

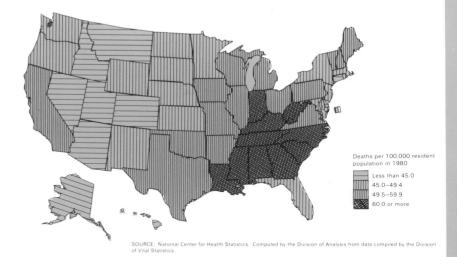
"Health, United States, 1984" Features Geographic Variations

The ninth of the annual reports from the Secretary of Health and Human Services to the Congress and President of the United States, "Health, United States, 1984" features a section of 25 maps displaying variations among the States in selected health measures. Wherever possible, factors that may be related to these variations are examined. Another section of 94 detailed tables presents statistics on recent national trends in health.

State variations discussed include the following:

- For both white and black infants there is substantial variation in infant mortality rates among the States. In 1979–81, the range for white infants, among all the States, was 9.0 to 12.5, whereas the black infant mortality rate ranged from a low of 16.4 to a high of 25.9 deaths per 1,000 live births among the 27 States with black populations of 150,000 or more.
- In 1979-80, variation among States in heart disease death rates was approximately twofold among adults 45-64 years of age in each race-sex group. California, Wisconsin, and Connecticut had consistently low 1979-80 heart disease death rates for white males, white females, black males, and black females 45-64 years of age. On the other hand, the southern States of Georgia, Louisiana, South Carolina, and Kentucky and Illinois had consistently high rates for all four racesex groups (see map).
- In 1982, the average stay in shortstay hospitals in the United States was 7.6 days, with wide variation among the States. The

Age-adjusted death rates for stroke among white males 35-74 years of age: 1979-80



longest average stays were in New York 9.7, Minnesota 9.4, and Massachusetts 8.9, and the shortest average stays were in Utah 5.4, Wyoming 5.5, and Washington 5.7. For many years, hospitals in the Northeast and North Central Regions have had longer average stays than in the West and South.

- New Hampshire has the largest 1980 supply of patient care physicians in nonmetropolitan areas (207 per 100,000 population), followed by Massachusetts 162 and Hawaii 149. Many southern States have relatively low supplies of physicians in nonmetropolitan areas, with Alabama 53, Louisiana 54, and Tennessee 62 having the lowest nonmetropolitan physician-population ratios.
- In 1982, adjusted expenses per inpatient day for hospital care ranged more than twofold among States. States with the highest

expenses were concentrated in the West; those with lower expenses were located primarily in the South and the western portion of the North Central Region.

• Variation is fivefold among States in the ratio of Medicaid recipients to persons below the poverty level. In 1982, Hawaii had the highest ratio; the number of Medicaid recipients was nearly equal to the poverty population, followed by California with 83 per 100, Rhode Island 77, and Michigan 72. The lowest ratios were in South Dakota 17, Idaho 18, Wyoming 20, and Texas 20.

"Health, United States, 1984" was prepared by the National Center for Health Statistics. Copies may be purchased from Superintendent of Documents, U S. Government Printing Office, Washington, DC 20402. The stock number is 017-022-00861-1, price \$6.50.

Second-Class Mail Postage and Fees Paid PHS-OASH ISSN 0090-2818

OFFICIAL BUSINESS PENALTY FOR PRIVATE USE, \$300