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Committee on Diet and Health, Food and Nutrition Board, Commission on Life Sciences, National Research Council. National Academy Press, Washington, DC, 1989.

5. Lenfant, C.: A new challenge for America: the National Cholesterol Education Program. *Circulation* 73: 855-856, May 1986.
6. Schucker, B. et al: Change in public perspective on cholesterol and heart disease: results from two national surveys. *JAMA* 258: 3527-3531, Dec. 25, 1987.
7. Levy, A. S.: Recent trends in public beliefs about fat and cholesterol (Abstract). Program of the First National Cholesterol Conference, Arlington, VA, November 1989.
8. Cholesterol awareness in selected states—behavioral risk factor surveillance, 1987. *MMWR* 37: 245-248, Apr. 29, 1988.
9. Public Health Service. Promoting health/preventing disease: year 2000 objectives for the nation (draft). U.S. Government Printing Office, Washington, DC, September 1989.
10. National Heart Lung and Blood Institute: Report of the expert panel on population strategies for blood cholesterol reduction. U.S. Government Printing Office, Washington, DC. In press.
11. Kusserow, R. P.: Inspector General's report on public cholesterol screening (draft). Office of the Inspector General 05-8Q1 330, November 1989.
12. National Heart, Lung, and Blood Institute: Recommendations regarding public screening for measuring blood cholesterol: summary of an NHLBI Workshop, October 1988. *Arch Intern Med* 149: 2650-2654 (1989).
13. Public screening for measuring blood cholesterol—issues for special concern. U.S. Government Printing Office, Washington, DC, Oct. 5, 1987.
14. Current status of blood cholesterol measurement in clinical laboratories in the United States: a report from the Laboratory Standardization Panel of the National Cholesterol Education Program. *Clin Chem* 34: 193-201 (1988).
15. Lasater, T. M., et al.: Pawtucket heart health project. *Behav Med Update* 3: 2-5 (1981).
16. Carleton, R. A., and Lasater, T. M.: Coronary heart disease and human behavior. *Prev Med* 12: 610-618 (1983).
17. Carleton, R. A., et al.: The Pawtucket heart health program: I. an experiment in population-based disease prevention. *R I Med J* 70: 533-538 (1987).
18. Lefebvre, R. C., et al.: Theory and delivery of health programming in the community. The Pawtucket heart health program. *Prev Med* 16: 80-95 (1987).
19. Lasater, T. M., et al.: The Pawtucket heart health program: IV. community level programming for heart health. *R I Med J* 71: 31-34 (1988).
20. Assaf, A. R., et al.: The Pawtucket heart health program: II. evaluation strategies. *R I Med J* 70: 541-546 (1987).
21. McKinlay, S. M., et al.: An innovative approach to the evaluation of a large community program. *In Perspectives in behavioral medicine*, Baum, A., and Herd, A., editors. Academic Press, New York, 1988, vol. 3, pp. 89-104.
22. McGraw, S. A., et al.: Methods in program evaluation: the process evaluation system of the Pawtucket Heart Health Program. *Evaluation Review* 13(S): 459-483, October 1989.
23. Lefebvre, R. C., et al: Community intervention to lower blood cholesterol: the "know your cholesterol" campaign in Pawtucket, RI. *Health Educ Q* 13: 117-129, summer 1986.
24. Gans, K. M., et al.: Measuring blood cholesterol in the community: participant characteristics by site. *Health Educ Res* 4: 399 (1989).
25. Lefebvre, R. C., et al.: Detection and follow-up of high blood cholesterol in community-based screenings. In press.
26. Lefebvre, R. C., et al.: Enhancing adherence to referral advice

given at blood cholesterol screenings. Impact on participant follow-up and physician behavior. In press.

27. Peterson, G. S., et al.: Strategies for cholesterol lowering at the workplace. *J Nutr Educ* 18: S54-S57 (1986).
28. Block, L., et al.: Impact of public education and continuing medical education on physician attitudes and behavior concerning cholesterol. *Am J Prev Med* 4: 255-260 (1988).
29. Roncarati, D. D., Lefebvre, R. C., and Carleton, R. A.: Voluntary involvement in community health promotion: the Pawtucket Heart Health Program. *Health Promotion* 4: 11-18 (1989).
30. Lasater, T. M., et al.: Rapid measurement of blood cholesterol: evaluation of a new instrument. *Am J Prev Med* 3: 311-316 (1987).
31. Lefebvre, R. C., et al.: Performance characteristics of a blood cholesterol measurement instrument used in screenings. *Public Health Rep* 104: 266-270, May-June 1989.
32. Burke, J. J., II, et al.: A clinician's guide to the office measurement of cholesterol. *JAMA* 259: 3444-3448, June 17, 1988.
33. Hodgkinson, V. A., and Weitzman, M. S.: Giving and volunteering in the United States: findings from a national survey conducted by the Gallup Organization for Independent Sector, 1988 Edition.
34. Sempos, C., et al.: The prevalence of high blood cholesterol levels among adults in the United States. *JAMA* 262: 45-52, July 7, 1989.
35. Regulating cholesterol screening: too much or not enough? *Cholesterol Update* 2: 6, November-December 1989.

Call for Papers for NCHS Records and Statistics Conference

The National Center for Health Statistics (NCHS) will hold the 23rd biennial Public Health Conference on Records and Statistics in Washington, DC, July 15-17, 1991. The focus will be the interaction between the Nation's health agenda for the coming decade and the health statistics that will be needed to plan and monitor public health programs.

NCHS has issued a call for papers, with abstracts due February 8, 1991. The conference serves as a major forum for advances in public health statistics. Preference will be given to completed research and to abstracts in which the results of research are described. Papers presented at the conference will be published in the proceedings.

Papers will be considered for presentation under three broad themes, data systems for the Nation's health agenda, assessment of community health, and new concepts for the decade of the 1990s.

Information and application forms are available from Nancy Hamilton, NCHS, 6525 Belcrest Rd., Room 1100, Hyattsville, MD, 20782; tel. (301) 436-7122.

to reduce risk: a review. *Am J Public Health* 78: 394-410 (1988).

5. Martin J. L., Garcia M. A., and Beatrice, S. T.: Sexual behavior changes and HIV antibody in a cohort of New York City gay men. *Am J Public Health* 79: 501-503 (1989).
6. Winkelstein W., et al.: Reduction in Human Immunodeficiency Virus transmission among homosexual/bi sexual men: 1982-1986. *Am J Public Health* 76: 685-689 (1987).
7. Valdespino, J., et al.: Evaluation of key messages to increase the use of condoms in sex workers: A quasi-experimental study. Paper presented at the V International Conference on AIDS, Montreal, 1989.
8. Magura, S., Shapiro, J. L., Siddiqi, Q., and Lipton, D. S.: Variables influencing condom use among intravenous drug users. Paper presented at the V International Conference on AIDS, Montreal, 1989.
9. Kegeles, S. M., Adler, N. E., and Irwin, C. E.: Sexually active adolescents and condoms: changes over one year in knowledge, attitudes, and use. *Am J Public Health* 78: 460-461 (1988).
10. HIV infection and pregnancies in sexual partners of HIV seropositive hemophilic men—United States. *MMWR* 36: 593-595, Sept. 11, 1987.
11. Goldsmith, M. F.: Sex in the age of AIDS calls for common sense and 'condom sense.' *JAMA* 257: 2261-2266, May 1, 1987.
12. Condoms for prevention of sexually transmitted disease. *MMWR* 37: 133-137, Mar. 11, 1988.
13. Voeller, B., Coulson, A. H., Berstein, G. S., and Nakamura, R. M.: Mineral oil lubricants cause rapid deterioration of latex condoms. *Contraception* 39: 95-102 (1989).
14. Martin, D. J., and Edwards, C. W.: Condom use skills deficits among gay men. Paper presented at the 11th National Lesbian and Gay Health Conference and 7th National AIDS Forum, San Francisco, 1989.
15. Richwald, G., Wamsley, M. A., Coulson, A. H., and Morisky, D. E.: Are condom instructions readable? Results of a readability study. *Public Health Rep* 103: 355-359, July-August 1988.

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MARIAN P. TEBBEN
Executive Editor
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217-328	May-June	3
329-440	July-August	4
441-544	September-October	5
545-656	November-December	6

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- a Original article
- abs Abstract
- br Brief report
- e Editorial
- ltr Letter

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