Disaster Medicine and Public Health Preparedness

An Official Publication of the American Medical Association

www.dmphp.org



IN THIS ISSUE

Recommendations for Postexposure Interventions Following Mass Casualty Events Disaster Services After Iowa Flood World Trade Center Evacuation Study Results Emergency Medical Planning for National Special Security Events Expanding Role of Satellite Technology in Preparedness and Response





Disaster Medicine and Public Health Preparedness

October 2008

Vol 2/No 3

Original Research and Critical Analysis

- **139** Seeking Help for Disaster Services After a Flood Jim P. Stimpson, Fernando A. Wilson, and Shawn K. Jeffries
- 142 Participatory Action Research Methodology in Disaster Research: Results From the World Trade Center Evacuation Study Robyn R.M. Gershon, Marcie S. Rubin, Kristine A. Qureshi, Allison N. Canton, and Frederick J. Matzner
- **150** Postexposure Interventions to Prevent Infection With HBV, HCV, or HIV, and Tetanus in People Wounded During Bombings and Other Mass Casualty Events—United States, 2008: Recommendations of the Centers for Disease Control and Prevention and Disaster Medicine and Public Health Preparedness

Louisa E. Chapman, Ernest E. Sullivent, Lisa A. Grohskopf, Elise M. Beltrami, Joseph F. Perz, Katrina Kretsinger, Adelisa L. Panlilio, Nicola D. Thompson, Richard L. Ehrenberg, Kathleen F. Gensheimer, Jeffrey S. Duchin, Peter H. Kilmarx, and Richard C. Hunt

- 166 Emergency Medical Consequence Planning and Management for National Special Security Events After September 11: Boston 2004 Kristy A. Kade, Kathryn H. Brinsfield, Richard A. Serino, Elena Savoia, and Howard K. Koh
- 174 Improving Hospital Preparedness for Radiological Terrorism: Perspectives From Emergency Department Physicians and Nurses Steven M. Becker and Sarah A. Middleton

Special Focus

185 Public Health Practice vs Research: Implications for Preparedness and Disaster Research Review by State Health Department IRBs David Perlman

Concepts in Disaster Medicine

192 Impact of Public Health Emergencies on Modern Disaster Taxonomy, Planning, and Response Frederick M. Burkle Jr and P. Gregg Greenough

Commentary

200 Expanding Role of Satellites in Preparedness, Surveillance, and Response Peter J. Brown

DEPARTMENTS

131 ON THE COVER

Against the Wind Raymond E. Swienton

132 EDITORIAL

Applying Yesterday's Lessons to Today's Crisis: Improving the Utilization of Recovery Services Following Catastrophic Flooding Italo Subbarao, Nathan A. Bostick, and James J. James

134 INVITED EDITORIAL COMMENTARY

Emergency Medical Consequence Planning and Management for National Special Security Events After September 11: Boston 2004 Phillip L. Coule, Richard B. Schwartz, and Raymond Swienton

136 GLOBAL CORRESPONDENT

Politics and Disaster Response: Recent Experience in Asia Jennifer L. Chan

Disaster Medicine and Public Health Preparedness participates in the Health InterNetwork Access to Research Initiative (HINARI), which provides free or very-low-cost online access to major journals in biomedical and related social sciences to local, nonprofit institutions in developing countries. Please visit www.who.int/hinari for more information.

SUBSCRIPTION INFORMATION

Disaster Medicine and Public Health Preparedness (ISSN: 1935–7893) is published quarterly by Lippincott Williams and Wilkins, at 16522 Hunters Green Parkway, Hagerstown, MD 21740-2116. Business offices are located at 530 Walnut Street, Philadelphia, PA 19106-3621. Third class postage paid at Hagerstown, MD, and at additional mailing offices. Copyright 2007 by the American Medical Association and Lippincott Williams & Wilkins.

Annual Subscription Rates: United States-\$193 Individual, \$303 Institution, \$99 AMA Members. Rest of World-\$207 Individual, \$318 Institution, \$99 AMA Members. Single copy rate \$69. All prices include a handling charge. United States residents of AL, CO, DC, FL, GA, HI, IA, ID, IN, KS, KY, LA, MD, MO, ND, NM, NV, PR, RI, SC, SD, UT, VT, WA, WV add state sales tax. The GST tax of 7% must be added to all orders shipped to Canada (Lippincott Williams & Wilkins' GST Identification #895524239. Publications Mail Agreement #1119672). Subscription prices outside the United States must be prepaid. Prices subject to change without notice. Visit us online at www.lww.com or www.ama-assn.org/go/DMPHP.

Individual subscription rates include print and access to the online version. Institutional rates are for print only; online subscriptions are available via Ovid. Institutions can choose to purchase a print and online subscription together for a discounted rate. Institutions that wish to purchase a print subscription, please contact Lippincott Williams and Wilkins, 16522 Hunters Green Parkway, Hagerstown, MD 21740-2116; phone 800-638-3030 (outside the United States 301-223-2300); fax 301-223-2400. Institutions that wish to purchase an online subscription or online with print, please contact the Ovid Regional Sales Office near you or visit www.ovid.com/site/index.jsp and select Contact and Locations.

Address for subscription information, orders, or change of address: Lippincott Williams & Wilkins, P.O. Box 1580, Hagerstown, MD 21741-1580; phone 800-638-3030 (outside the United States, 301-223-2300; fax 301-223-2400). In Japan, contact LWW Igaku-Shoin Ltd., 3-23-14 Hongo, Bunkyo-ku, Tokyo 113-0033; phone 81-3-5689-5400; fax 81-3-5689-5402. In Bangladesh, India, Nepal, Sri Lanka, and Pakistan, contact Globe Publications Pvt. B-13 3rd Floor, A Block, Shopping Complex, Naraina Vihar, Ring Road, New Delhi, 110028; phone 91-11-579-3211; fax 91-11-579-8876.

Postmaster: Send address changes to Disaster Medicine and Public Health Preparedness, P.O. Box 1550, Hagerstown, MD 21740.

The statements and opinions contained in the articles in *Disaster Medicine and Public Health Preparedness*, including editorials, letters, and reviews, are solely those of the individual authors and contributors and not those of Lippincott Williams & Wilkins (LWW), the American Medical Association (AMA), or the institutions with which the authors are affiliated, unless this is clearly specified. The appearance of advertisements in the Journal is not a warranty, endorsement, or approval of the products or services advertised or of their effectiveness, quality, or safety. LWW and AMA disclaim responsibility for any injury to persons or property resulting from any ideas or products referred to in the articles or advertisements.

When citing this journal, please abbreviate as *Disaster Med Public Health Preparedness.*

Permission to reproduce copies of articles for noncommercial use may be obtained from the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923; (978) 750-8400; fax (978) 750-4470; www.copyright.com. Indexed in MEDLINE.

Printed in USA on acid-free paper with 10% postconsumer content.