

outbreaks during and after disasters caused by natural hazards and describes comprehensive prevention and control measures. The natural hazard event that causes a disaster does not transmit infectious diseases in the immediate aftermath of the disaster, nor do dead bodies. During the impact phase, most of the deaths are associated to blunt trauma, crush-related injuries, burns, and drowning rather than from infectious diseases. Most pathogens cannot not continue to survive in a corpse. The remaining survivors are the ones from which infectious diseases can be transmitted under appropriate conditions created by the natural disasters. Among several diseases, diarrheal diseases, leptospirosis, viral hepatitis, typhoid fever, acute respiratory infections, measles, meningitides, tuberculosis, malaria, dengue fever, and West Nile Virus commonly were described days, weeks, or months after the disaster event in areas where they are endemic. Therefore, diseases can also be imported by healthy carriers among a susceptible population. The objective of the public health intervention is to prevent and control epidemics among the disaster-affected populations. The rapid implementation of control measures should be a public health priority especially in the absence of pre-disaster surveillance data, through the re-establishment and improvement of the delivery of primary health care and restoration of affected health services. Adequate shelter and sanitation, water and food safety, appropriate surveillance, immunization and management approaches, as well health education will be strongly required for the reduction of morbidity and mortality.

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#### (P1-84) Application of an Indian Public Health Standard for Evaluation of Community Health Centers of Rajasthan, India

T.P. Sinha,<sup>1</sup> Anamika,<sup>2</sup> S. Bhoi<sup>3</sup>

1. Surgery, 110029, India
2. Health and Hospital Management, Jaipur, India
3. Department of Emergency Medicine, Trauma Centre, 110029, India

**Background:** Community Health Centers (CHCs) constitute the secondary level of health in India. However, these centers are fulfilling the tasks entrusted to them only to a limited extent. In order to provide quality care in these CHCs, Indian Public Health Standards (IPHS) are being prescribed to provide optimal expert care to the community and to maintain an acceptable standard of quality of care. These standards would help to monitor and improve the functioning of the CHCs.

**Objectives:** The aim of this study is to apply the IPHS for evaluation of the CHCs of Rajasthan.

**Methods:** A cross-sectional observational study was conducted during August to October 2010. Four CHCs of Rajasthan were visited and data were collected in a pre-designed Performa. The quality of services provided in the selected CHCs as per the IPHS norms was assessed.

**Result:** All the four CHCs were rendering the assured services of the outpatient department, 24-hour general emergency services, new born care, normal delivery, and referral (transport). All CHCs had full-time physicians, but only three (75%) had surgeons and obstetricians, two (50%) CHCs had pediatricians. One (25%) had anesthetists and one (25%) had a program manager. There was a blood storage facility at one (25%) CHC.

Nursing staff were adequate. Basic laboratory facilities were available in all CHCs.

**Conclusions:** The present study revealed important deficiencies as per IPHS norms in the studied CHCs so that adequate measures can be taken to improve the healthcare facility.

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#### (P1-85) Health Seeking Behavior Post-Unintentional Household Injury in Hong Kong

E.Y.Y. Chan, P.P.Y. Lee, J.M.S. Leung

School of Public Health and Primary Care, Faculty of Medicine, Shatin, Hong Kong

**Background:** Unintentional household injuries are a major public health problem that affects large numbers of people. Various population-based surveys from the literature showed > 40% of households reporting an injury that required medical attention. However, there is a general lack in comprehensive population surveys to highlight the risk of post-injury, help-seeking behavior and its associated financial cost. This study is part of the urban, home-based injury epidemiological study series (2007–2010) in Hong Kong.

**Methods:** A population-based, cross-sectional, random telephone survey was conducted using the last birthday method in 2009. A study instrument was developed and validated based on the modified Chinese World Health Organization guidelines for injury and violence surveys.

**Results:** The study population comprised of non-institutionalized, Cantonese-speaking Hong Kong residents ( $n = 6,570$ ). Among the 39.4% self-reported injuries within the past 12 months, only 8.6% of injured people had sought medical care. Respondents tended to seek medical care from the private setting in the first episode of post-injury treatment. Among health seekers, 70% of the injured participants reported having to seek a second treatment and the care-seeking pattern shifted from private to public medical service delivery setting. Predictors of service preferences were identified and discussed.

**Conclusions:** Medical care seeking patterns post-unintentional household injury was identified. Medical and emergency services providers may wish to consider health service implications.

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#### (P1-86) Socioeconomic Impact of Natural Disasters in China

W. Zhang

Office for Disease Control and Emergency Response, Beijing, China

**Introduction:** China is one of the countries most affected by disasters caused by natural hazards. Disasters comprise an important restricting factor for economic and social development.

**Methods:** Retrospective analysis was performed based on the epidemiological data of disasters caused by natural hazards in recent two decades.

**Results:** The deadliest disaster that was reviewed was the Sichuan, Wenchuan earthquake on 12 May 2008 with a death toll of 88,928. Floods were the the primary natural hazard resulting in disaster in China. The economic loss caused by natural disasters