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Soggetti	Medicine - Practice Hospitals - Administration Pollution Medicine, Preventive Health promotion Environmental health Practice and Hospital Management Health Promotion and Disease Prevention Environmental Health
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Foreword: Improving the Hospital's Indoor Air Quality -- Indoor Air Quality in Healing Environments: Impacts of Physical, Chemical, and Biological Environmental Factors on Users -- Existing Guidelines for Indoor Air Quality: The Case Study of Hospital Environments -- Applications of IAQ Monitoring in International Healthcare Systems -- Hospital Environments and Epidemiology of Healthcare-Associated Infections -- Analysis of Microorganisms in Hospital Environments and Potential Risks -- Legionella Indoor Air Contamination in Healthcare Environments -- Environmentally Friendly and Low-Emissivity Construction Materials and Furniture -- HVAC System Design in Healthcare Facilities and Control of Aerosol Contaminants: Issues, Tools, and Experiments -- HVAC Management in Health Facilities -- Assessment of Indoor Air Quality in Inpatient Wards -- Perspectives of

Sommario/riassunto

This interdisciplinary guide offers background, research findings, and practical strategies for assessing and improving air quality in hospitals and other healthcare settings. Positing good air quality as critical to patient and staff well-being, it identifies disease-carrying microbes, pollutants, and other airborne toxins and their health risks, and provides localized interventions for reducing transmission of pathogens. Effective large-scale approaches to air quality control are also outlined, from green building materials to hygienic HVAC and air treatment practices. Its thoroughness of coverage makes this book a vital resource for professionals involved in every aspect of health service facilities, from planning and construction to maintenance and management. Among the topics covered: Existing guidelines in indoor air quality: the case study of hospital environments Hospital environments and epidemiology of healthcare-associated infections Analysis of microorganisms in hospital environments and potential risks Legionella indoor air contamination in healthcare environments HVAC system design in healthcare facilities and control of aerosol contaminants Assessment of indoor air quality in inpatient wards Indoor Air Quality in Healthcare Facilities imparts up-to-date expertise to a variety of professional readers, including hospitals' technical and management departments, healthcare facilities' chief medical officers, hospital planners, sport and thermal building designers, public health departments, and students of universities and schools of hygiene.
