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Titolo	Nutrition and Infectious Diseases : Shifting the Clinical Paradigm // edited by Debbie L. Humphries, Marilyn E. Scott, Sten H. Vermund
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Descrizione fisica	1 online resource (XLVI, 492 p. 64 illus., 50 illus. in color.)
Collana	Nutrition and Health, , 2628-1961
Disciplina	616.9
Soggetti	Nutrition Diseases
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part I: The Foundations of the Nutrition-Infection Nexus -- Pathways Linking Nutritional Status and Infectious Disease: A Conceptual Framework -- Core Principles of Nutrition -- Primer on Immune Response and Interface with Malnutrition -- Part II: Types of Infectious Diseases and Influences of Nutrition -- Bacterial Infections and Nutrition: A Primer -- Viral Infections and Nutrition: Influenza Virus as a Case Study -- Nutrition and Protozoan Pathogens of Humans: A Primer -- Human Helminth Infections: A Primer -- Part III: Nutrition Issues During Major Infections: Case Studies of Nutrition and Infectious Disease -- Nutrition and Diarrheal Disease and Enteric Pathogens -- Nutrition in HIV and Tuberculosis -- Nutrition and Arboviruses -- Nutritional Frameworks in Malaria -- Soil-Transmitted Helminths: Does Nutrition Make a Difference? -- Part IV: Integration of Cross-Cutting Issues in Nutrition/Infection Interactions -- Drug-Nutrition Interactions in Infectious Diseases -- Co-infection and Nutrition: Integrating Ecological and Epidemiological Perspectives -- Nutrition and Infections in the Context of Global Environmental Change -- Public Health and Clinical Implications of Nutrition/Infection Interactions.
Sommario/riassunto	This comprehensive and user-friendly volume focuses on the intersection between the fields of nutrition and infectious disease. It highlights the importance of nutritional status in infectious disease outcomes, and the need to recognize the role that nutrition plays in

altering the risk of exposure and susceptibility to infection, the severity of the disease, and the effectiveness of treatment. Split into four parts, section one begins with a conceptual model linking nutritional status and infectious diseases, followed by primers on nutrition and immune function, that can serve as resources for students, researchers and practitioners. Section two provides accessible overviews of major categories of pathogens and is intended to be used as antecedents of pathogen-focused subsequent chapters, as well as to serve as discrete educational resources for students, researchers, and practitioners. The third section includes five in-depth case studies on specific infectious diseases where nutrition-infection interactions have been extensively explored: diarrheal and enteric disease, HIV and tuberculosis, arboviruses, malaria, and soil-transmitted helminths. The final section addresses cross-cutting topics such as drug-nutrient interactions, co-infections, and nutrition, infection, and climate change and then concludes by consolidating relevant clinical and public health approaches to addressing infection in the context of nutrition, and thus providing a sharp focus on the clinical relevance of the intersection between nutrition and infection. Written by experts in the field, *Nutrition and Infectious Diseases* will be a go to resource and guide for immunologists, clinical pathologists, sociologists, epidemiologists, nutritionists, and all health care professionals managing and treating patients with infectious diseases. .
