**New to the Seventh Edition**

The seventh edition of this classic text, like its previous editions, continues its mission of providing a comprehensive introduction to the field of epidemiology. Emphasis is placed on the application of the basic principles of epidemiology according to person, place, and time factors in order to solve current, often unexpected, and serious public health problems. Direction is given for how to identify and describe public health problems, formulate research hypotheses, select appropriate research study designs, manage and analyze epidemiologic data, interpret study results, and apply the results in preventing and controlling disease and health-related events. Real-world public health problems involving both infectious and chronic diseases and conditions are presented throughout the book.

Additions to this edition include a greater emphasis on epidemiology in international settings, causality, disease transmission, as well as updated tables, figures, examples, and conclusions throughout the text. News Files are now included in each chapter. A section on Modern Epidemiology was added that presents a number of statisticians who helped advance several sound methods of scientific investigation.

This seventh edition offers an easy and effective approach to learning epidemiology, including case reports and news files. The case reports and news files represent current applications of commonly used research designs in epidemiology. The chapter topics were selected to represent the fundamentals of epidemiology. Learning objectives are presented at the beginning of each chapter, and the chapters are divided into concise sections with several examples. Figures and tables are used to summarize and clarify important concepts and information. Key terms are bolded in the text and defined. A glossary of these terms is included. Study questions with descriptive answers are provided at the end of each chapter.