SECTION 1 The Epidemiologic Approach to Disease and Intervention	
CHAPTER 1 Introduction	2
CHAPTER 2 The Dynamics of Disease Transmission	19
CHAPTER 3 The Occurrence of Disease: I. Disease Surveillance and Measures of Morbidity	38
CHAPTER 4 The Occurrence of Disease: II. Mortality and Other Measures of Disease Impact	61
CHAPTER 5 Assessing the Validity and Reliability of Diagnostic and Screening Tests	88
CHAPTER 6 The Natural History of Disease: Ways of Expressing Prognosis	116
CHAPTER 7 Assessing Preventive and Therapeutic Measures: Randomized Trials	138
CHAPTER 8 Randomized Trials: Some Further Issues	155

SECTION 2 Using Epidemiology to Identify the Causes of Disease	
CHAPTER 9 Cohort Studies	179
CHAPTER 10 Case-Control and Other Study Designs	189



Contents

CHAPTER 11	
Estimating Risk: Is There an Association?	215
CHAPTER 12	
More on Risk: Estimating the Potential for Prevention	230
CHAPTER 13	
A Pause for Review: Comparing Cohort and Case-Control Studies	239
CHAPTER 14	
From Association to Causation: Deriving Inferences from Epidemiologic Studies	243
CHAPTER 15	
More on Causal Inferences: Bias, Confounding, and Interaction	262
CHAPTER 16	
Identifying the Roles of Genetic and Environmental Factors in Disease Causation	279

SECTION 3				
Applying Epid	emiology to	Fvaluati	on and P	olicy
Applying this	ennology (C			oncy

CHAPTER 17	
Using Epidemiology to Evaluate Health Services	308
CHAPTER 18	
The Epidemiologic Approach to Evaluating Screening Programs	326
CHAPTER 19	
Epidemiology and Public Policy	351
CHAPTER 20	
Ethical and Professional Issues in Epidemiology	367
ANSWERS TO REVIEW QUESTIONS	379
INDEX ·	381