

Section 1 - Epidemiology

1. Basic Epidemiologic Concepts and Principles
2. Epidemiological Data Measurements
3. Epidemiologic Surveillance and Epidemic Outbreak Investigation
4. The Study of Risk Factors and Causation
5. Common Research Designs and Issues in Epidemiology
6. Assessment of Risk and Benefit in Epidemiologic Studies
7. Understanding the Quality of Medical Data

Section 2 - Biostatistics

8. Describing Variation and Distribution of Data
9. Testing Hypotheses
10. Analyzing Relationships between Two Variables
11. Analyzing Relationships Between Multiple Variables
12. Using Statistics to Design Studies: *Sample Size Calculation, Randomization, and Controlling for Multiple Hypotheses*
13. Using Statistics to Answer Clinical Questions: *Meta-analysis, Bayes Theorem and Predictive Values of Tests, and Decision Analysis*

Section 3 - Preventive Medicine

14. Introduction to Preventive Medicine
15. Methods of Primary Prevention: Health Promotion and Disease Prevention
16. Principles and Practice of Secondary Prevention
17. Methods of Tertiary Prevention
18. Developing Recommendations for Clinical Preventive Services
19. Chronic Disease Prevention
20. Prevention of Infectious Diseases
21. Prevention of Mental Health and Behavior Problems
22. Occupational Medicine and Environmental Health
23. Injury Prevention

Section 4 - Public Health

24. Introduction to Public Health
25. The US Public Health System: Structure and Function
26. Improving Public Health in Communities
27. Disaster Epidemiology and Surveillance
28. Health Services Organization, Financing, and Quality Improvement
29. Health Care Organization, Policy, and Financing
30. Integrating Efforts for Clinical Care, Research, and Public Health Action - One Science, One Planet, One Health