Medical Uses of Statistics
John C. Bailar, David C. Hoaglin
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A new edition of the classic guide to the use of statistics in medicine, featuring examples from recent articles in the New England Journal of Medicine

Medical Uses of Statistics has served as one of the most influential works on the subject for physicians, physicians-in-training, and a myriad of healthcare experts who need a clear idea of the proper application of statistical techniques in clinical studies as well as the implications of their interpretation for clinical practice. This Third Edition maintains the focus on the critical ideas, rather than the mechanics, to give practitioners and students the resources they need to understand the statistical methods they encounter in modern medical literature.

Bringing together contributions from more than two dozen distinguished statisticians and medical doctors, this volume stresses the underlying concepts in areas such as randomized trials, survival analysis, genetics, linear regression, meta-analysis, and risk analysis. The Third Edition includes:

- Numerous examples based on studies taken directly from the pages of the New England Journal of Medicine
- Two added chapters on statistics in genetics
- Two new chapters on the application of statistical methods to studies in epidemiology
- New chapters on analyses of randomized trials, linear regression, categorical data analysis, meta-analysis, subgroup analyses, and risk analysis
- Updated chapters on statistical thinking, crossover designs, p-values, survival analysis, and reporting research results
- A focus on helping readers to critically interpret published results of clinical research

Medical Uses of Statistics, Third Edition is a valuable resource for researchers and physicians working in any health-related field. It is also an excellent supplemental book for courses on medicine, biostatistics, and clinical research at the upper-undergraduate and graduate levels.

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