



Statistical Issues in Drug Development

By Stephen S. Senn

[Download now](#)

[Read Online](#) 

Statistical Issues in Drug Development By Stephen S. Senn

Drug development is the process of finding and producing therapeutically useful pharmaceuticals, turning them into safe and effective medicine, and producing reliable information regarding the appropriate dosage and dosing intervals. With regulatory authorities demanding increasingly higher standards in such developments, statistics has become an intrinsic and critical element in the design and conduct of drug development programmes.

Statistical Issues in Drug Development presents an essential and thought provoking guide to the statistical issues and controversies involved in drug development.

This highly readable second edition has been updated to include:

- Comprehensive coverage of the design and interpretation of clinical trials.
- Expanded sections on missing data, equivalence, meta-analysis and dose finding.
- An examination of both Bayesian and frequentist methods.
- A new chapter on pharmacogenomics and expanded coverage of pharmaco-epidemiology and pharmaco-economics.
- Coverage of the ICH guidelines, in particular ICH E9, Statistical Principles for Clinical Trials.

It is hoped that the book will stimulate dialogue between statisticians and life scientists working within the pharmaceutical industry. The accessible and wide-ranging coverage make it essential reading for both statisticians and non-statisticians working in the pharmaceutical industry, regulatory bodies and medical research institutes. There is also much to benefit undergraduate and postgraduate students whose courses include a medical statistics component.

 [Download Statistical Issues in Drug Development ...pdf](#)

 [Read Online Statistical Issues in Drug Development ...pdf](#)

Statistical Issues in Drug Development

By Stephen S. Senn

Statistical Issues in Drug Development By Stephen S. Senn

Drug development is the process of finding and producing therapeutically useful pharmaceuticals, turning them into safe and effective medicine, and producing reliable information regarding the appropriate dosage and dosing intervals. With regulatory authorities demanding increasingly higher standards in such developments, statistics has become an intrinsic and critical element in the design and conduct of drug development programmes.

Statistical Issues in Drug Development presents an essential and thought provoking guide to the statistical issues and controversies involved in drug development.

This highly readable second edition has been updated to include:

- Comprehensive coverage of the design and interpretation of clinical trials.
- Expanded sections on missing data, equivalence, meta-analysis and dose finding.
- An examination of both Bayesian and frequentist methods.
- A new chapter on pharmacogenomics and expanded coverage of pharmaco-epidemiology and pharmacoeconomics.
- Coverage of the ICH guidelines, in particular ICH E9, Statistical Principles for Clinical Trials.

It is hoped that the book will stimulate dialogue between statisticians and life scientists working within the pharmaceutical industry. The accessible and wide-ranging coverage make it essential reading for both statisticians and non-statisticians working in the pharmaceutical industry, regulatory bodies and medical research institutes. There is also much to benefit undergraduate and postgraduate students whose courses include a medical statistics component.

Statistical Issues in Drug Development By Stephen S. Senn Bibliography

- Sales Rank: #1655034 in Books
- Published on: 2008-02-11
- Original language: English
- Number of items: 1
- Dimensions: 9.67" h x 1.32" w x 6.81" l, 2.30 pounds
- Binding: Hardcover
- 524 pages

 [Download Statistical Issues in Drug Development ...pdf](#)

 [Read Online Statistical Issues in Drug Development ...pdf](#)

Download and Read Free Online Statistical Issues in Drug Development By Stephen S. Senn

Editorial Review

Review

For all his contributions to the development and exposition of medical statistics Stephen Senn is awarded the **2009 Bradford Hill Medal** by the Royal Statistical Society.

?This book is a thought provoking, intriguing, and often challenging read. The author is unafraid to tackle weighty philosophical and paradigmatic issues, and he generally does so with great skill and insight. ...this excellent book should serve to inspire both statisticians and life scientists.? (*Journal of the American Statistical Association*, September 2009)

"For statisticians, this should be required reading for anyone considering or starting out on a career in clinical drug development. I am also quite sure that most experienced statisticians would find this a useful book to dip into on occasion This book will not disappoint." (*Journal of the Royal Statistical Society: Series A (Statistics in Society)*, April 2009)

"This book is an outstanding effort from a statistician of heroic proportions. Someone like me is only capable of sitting on the curb and applauding wildly." (*Journal of Biopharmaceutical Statistics*, Volume 19, Issue 1, 2009)

From the Publisher

This book for non-statisticians explains the statistical issues in drug development to help them plan, analyze and interpret clinical trials. It also examines the commercial pressures, regulatory standards and high scrutiny that accompany this field.

From the Back Cover

Drug development is the process of finding and producing therapeutically useful pharmaceuticals, turning them into safe and effective medicine, and producing reliable information regarding the appropriate dosage and dosing intervals. With regulatory authorities demanding increasingly higher standards in such developments, statistics has become an intrinsic and critical element in the design and conduct of drug development programmes.

Statistical Issues in Drug Development presents an essential and thought provoking guide to the statistical issues and controversies involved in drug development.

This highly readable second edition has been updated to include:

- Comprehensive coverage of the design and interpretation of clinical trials.
- Expanded sections on missing data, equivalence, meta-analysis and dose finding.
- An examination of both Bayesian and frequentist methods.
- A new chapter on pharmacogenomics and expanded coverage of pharmaco-epidemiology and pharmacoeconomics.
- Coverage of the ICH guidelines, in particular ICH E9, Statistical Principles for Clinical Trials.

It is hoped that the book will stimulate dialogue between statisticians and life scientists working within the pharmaceutical industry. The accessible and wide-ranging coverage make it essential reading for both statisticians and non-statisticians working in the pharmaceutical industry, regulatory bodies and medical

research institutes. There is also much to benefit undergraduate and postgraduate students whose courses include a medical statistics component.

Users Review

From reader reviews:

Florence Croy:

The reserve untitled Statistical Issues in Drug Development is the reserve that recommended to you to study. You can see the quality of the publication content that will be shown to anyone. The language that writer use to explained their ideas are easily to understand. The copy writer was did a lot of exploration when write the book, hence the information that they share to you is absolutely accurate. You also could possibly get the e-book of Statistical Issues in Drug Development from the publisher to make you a lot more enjoy free time.

Larry Davis:

The book Statistical Issues in Drug Development has a lot info on it. So when you read this book you can get a lot of help. The book was authored by the very famous author. The writer makes some research prior to write this book. This book very easy to read you can obtain the point easily after looking over this book.

Rita Lattimore:

Do you one of the book lovers? If yes, do you ever feeling doubt while you are in the book store? Aim to pick one book that you just dont know the inside because don't evaluate book by its handle may doesn't work the following is difficult job because you are scared that the inside maybe not because fantastic as in the outside search likes. Maybe you answer might be Statistical Issues in Drug Development why because the excellent cover that make you consider with regards to the content will not disappoint a person. The inside or content will be fantastic as the outside as well as cover. Your reading 6th sense will directly assist you to pick up this book.

James Floyd:

Beside this specific Statistical Issues in Drug Development in your phone, it could give you a way to get more close to the new knowledge or information. The information and the knowledge you will got here is fresh from your oven so don't become worry if you feel like an older people live in narrow commune. It is good thing to have Statistical Issues in Drug Development because this book offers to you personally readable information. Do you sometimes have book but you rarely get what it's exactly about. Oh come on, that would not happen if you have this inside your hand. The Enjoyable blend here cannot be questionable, such as treasuring beautiful island. Techniques you still want to miss it? Find this book as well as read it from right now!

**Download and Read Online Statistical Issues in Drug Development
By Stephen S. Senn #U9P4T01MD5G**

Read Statistical Issues in Drug Development By Stephen S. Senn for online ebook

Statistical Issues in Drug Development By Stephen S. Senn Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Statistical Issues in Drug Development By Stephen S. Senn books to read online.

Online Statistical Issues in Drug Development By Stephen S. Senn ebook PDF download

Statistical Issues in Drug Development By Stephen S. Senn Doc

Statistical Issues in Drug Development By Stephen S. Senn MobiPocket

Statistical Issues in Drug Development By Stephen S. Senn EPub

U9P4T01MD5G: Statistical Issues in Drug Development By Stephen S. Senn