



## Making Better Use of Clinical Trials: Computational Decision Support Methods for Evidence-Based Drug Benefit-Risk Assessment

By Gert Van Valkenhoef

Purdue University Press, United States, 2012. Paperback. Book Condition: New. 242 x 170 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Health care policy decision makers routinely evaluate the health impact of alternative treatment options. Here benefit-risk assessment is key, consisting of weighing the favorable effects (benefits) and unfavorable effects (risks) of the alternatives. For example, before a new drug is allowed on the market, regulators evaluate its benefit-risk balance in comparison to placebo or competing drugs. Ideally, benefit-risk assessments are based on the best available evidence, typically meaning randomized controlled trials. However, finding the evidence and explicitly linking it to the assessment is complicated by several factors. First, the results of clinical trials are mainly made available in text-based documents that can not be processed automatically. Second, the data from these trials must be combined into a consistent basis for benefit-risk analysis. Third, quantitative decision models are required to directly link decisions to the underlying evidence and to make trade-off decisions explicit. This thesis addresses these topics through the development of the Aggregate Data Drug Information System (ADDIS), an integrated system for decision support based on databases of structured clinical trials data. Novel algorithms are presented...



**READ ONLINE**  
[ 6.77 MB ]

### Reviews

*Absolutely among the best book We have ever study. It is actually writter in easy words instead of hard to understand. I found out this publication from my i and dad encouraged this book to find out.*

-- **Kristina Rippin**

*Good e-book and beneficial one. I was able to comprehended everything out of this published e pdf. Once you begin to read the book, it is extremely difficult to leave it before concluding.*

-- **Mariana Schaden II**

## Related Books



### **Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel s System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers**

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original...



### **The Day Lion Learned to Not Be a Bully: Aka the Lion and the Mouse**

Createspace, United States, 2013. Paperback. Book Condition: New. Large Print. 279 x 216 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.The beloved Classic tale The Lion and the Mouse gets the Rhyming Read Aloud with a Reason treatment,...



### **Games with Books : 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade**

Book Condition: Brand New. Book Condition: Brand New.



### **Games with Books : Twenty-Eight of the Best Childrens Books and How to Use Them to Help Your Child Learn - from Preschool to Third Grade**

Book Condition: Brand New. Book Condition: Brand New.



### **Some of My Best Friends Are Books : Guiding Gifted Readers from Preschool to High School**

Book Condition: Brand New. Book Condition: Brand New.



### **I Am Reading: Nurturing Young Children s Meaning Making and Joyful Engagement with Any Book**

Heinemann Educational Books, United States, 2015. Paperback. Book Condition: New. 234 x 185 mm. Language: English . Brand New Book. It s vital that we support young children s reading in ways that nurture healthy reading identities, that foster an attraction to...