

# Software Innovations in Clinical Drug Development and Safety

Part of the Advances in Medical Technologies and Clinical Practice (AMTCP) Book Series

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## Description:

In light of the rising cost of healthcare and the overall challenges associated with delivering quality care to patients across regions, scientists and pharmacists are exploring new initiatives in drug discovery and design. One such initiative is the adoption of information technology and software applications to improve healthcare and pharmaceutical processes.

**Software Innovations in Clinical Drug Development and Safety** is a comprehensive resource analyzing the integration of software engineering for the purpose of drug discovery, clinical trials, genomics, and drug safety testing.

This timely resource features a well-rounded discussion on topics pertaining to the integration of computational methods in pharmaceutical science and practice including, the impact of software integration on business models, patient safety concerns, software architecture and design, and data security.

## Readers:

This publication is ideal for healthcare professionals, pharmacists, computer scientists, researchers, and students seeking the latest information on the architecture and design of software in clinical settings, the impact of clinical technologies on business models, and the safety and privacy of patients and patient data.

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## Topics Covered:

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- Drug Response
- Pharmacoinformatics
- Software Development
- System Validation

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