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Value of pharmacometrics analyses in drug development

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The process of drug development is extremely time consuming and costly. It takes approximately 10-12 years and costs hundreds of millions or billions dollars. Pharmacometrics is the scientific discipline that uses mathematical models based on biology, pharmacology, physiology, and disease for quantifying the interactions

between drugs and patients. Its purpose is to reduce cost and shorten development time by optimizing the clinical assessment of efficacy and safety. This presentation highlights the value of pharmacometric analyses in drug development through selected examples.

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