



At PhinC Development, we help you identify, mitigate and overcome all the challenges you may face during your drug development process

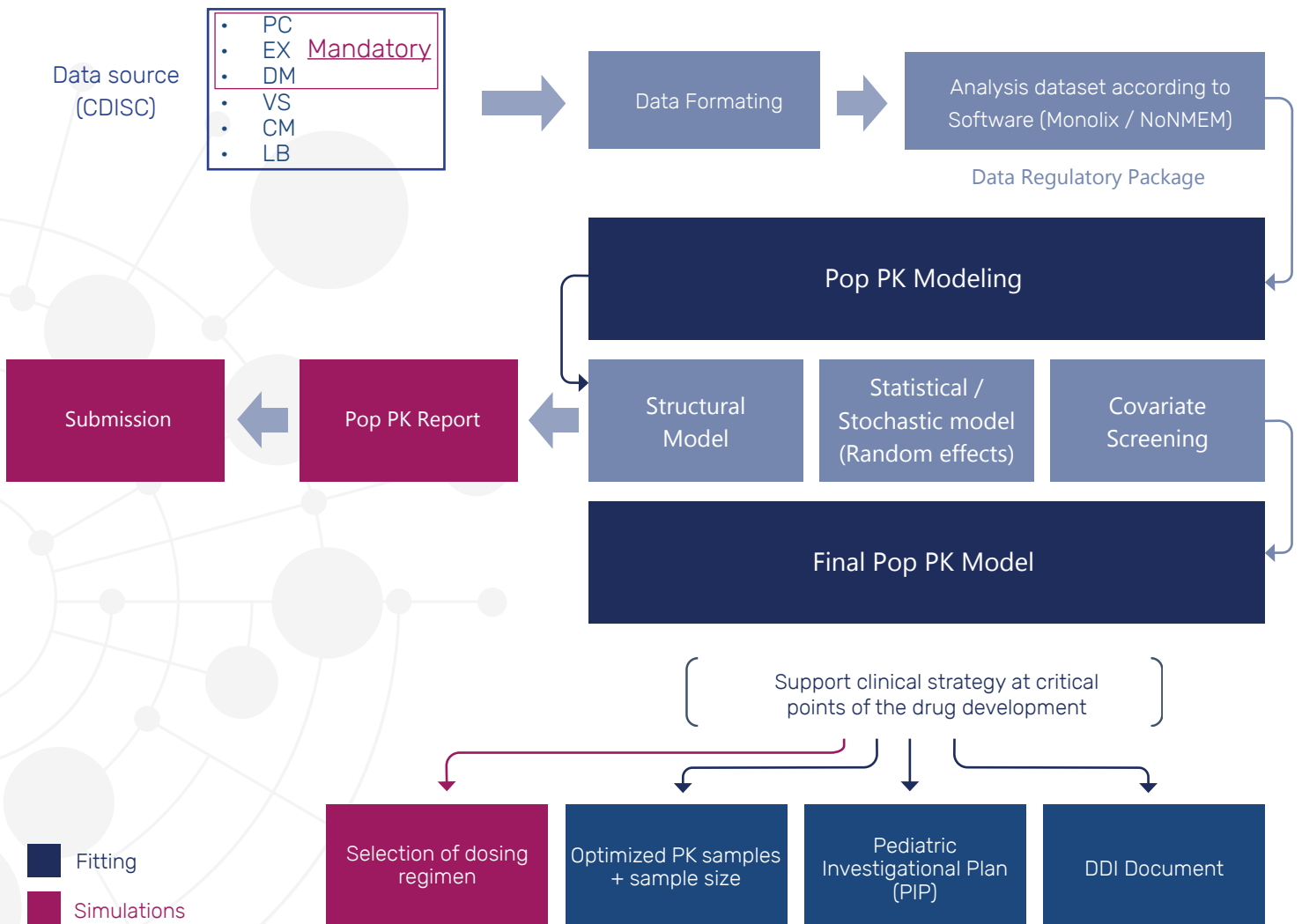
POPULATION PHARMACOKINETICS (PopPK)

Population pharmacokinetics (PopPK) modeling is a part of the major expertise activities at PhinC Development and consists of describing the behavior of a drug not at the individual level but in the overall population and allows to quantify the variability that may exist between individuals in the same population or from one population to another and to identify the source of this variability.

PopPK is a compartmental method dividing the body into well-stirred hypothetical areas (compartments) for a drug, and considering different sources of variability, using the appropriate mathematical equations.

CONSIDER ALL SUBJECTS AND TIMING POINTS USING STATISTICAL ALGORITHMS

Population PK Modeling appears to be a powerful tool to support clinical development, responding to clinical and financial constraints, by allowing the establishment of clinical management strategies at critical points in the process.



PopPK allows accurate estimates in:

Various subject groups, e.g. body, weight, gender, impaired organs, etc.

Source variability, e.g. food, co-med, time of the day, etc.

Special population analysis, e.g. elderly, obese, hepatic impairment, renal insufficiency, etc.

Using these tools in targeted exposure will help to:

Identify relevant covariates in patients

Simulate exposure, predicting therapeutic dose, anticipating activity for special populations

Save you dedicated studies in special populations

Cover of proper dose range



CONTACT US TODAY TO GET A QUALIFICATION APPOINTMENT



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