



**Clinical Trial Simulation (CTS)**

* Clinical Trial Simulation is simulation drug exposure and effect in virtual patient populations.
* CTS can simulate different trial scenarios based on previously developed PK/PD model.
* CTS can simultaneously assess the impact of many variables (sample size, dosing regimens, target populations, PD endpoints) on trial outcomes.
* CTS can rank trial scenarios according to their probability of success
* Any customized virtual population can be implemented in CTS (age, disease status, ethnicity)
* CTS is the approach of choice to quantify uncertainty about dose selection and any other key parameters affecting drug safety and efficacy.

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