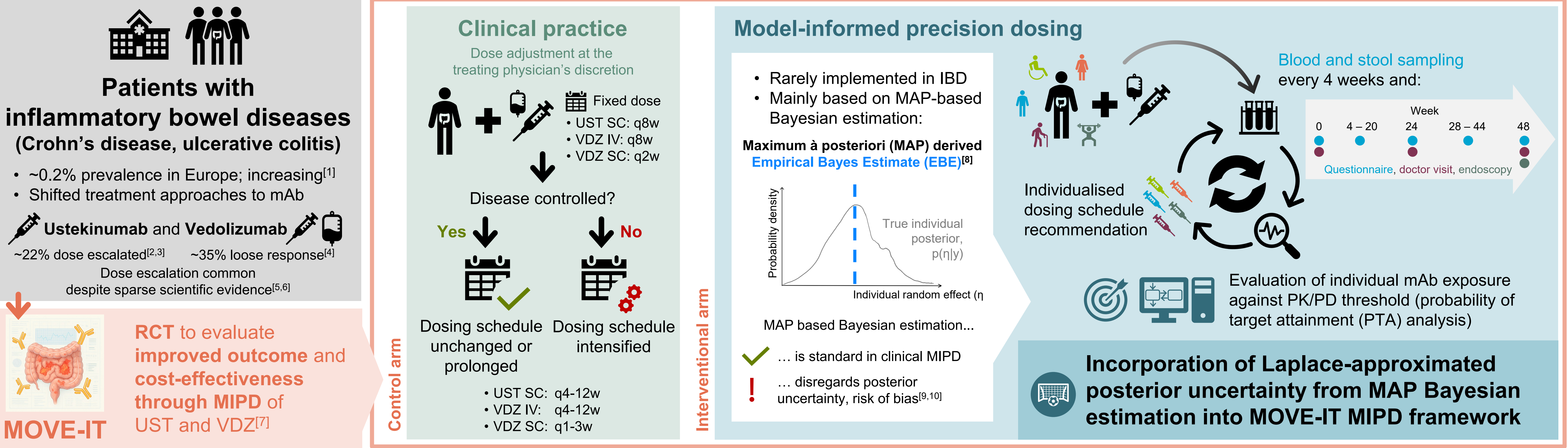


Prospective randomised controlled trial on model-informed precision dosing (MIPD) for ustekinumab and vedolizumab in inflammatory bowel diseases (MOVE-IT): A Bayesian framework incorporating uncertainty

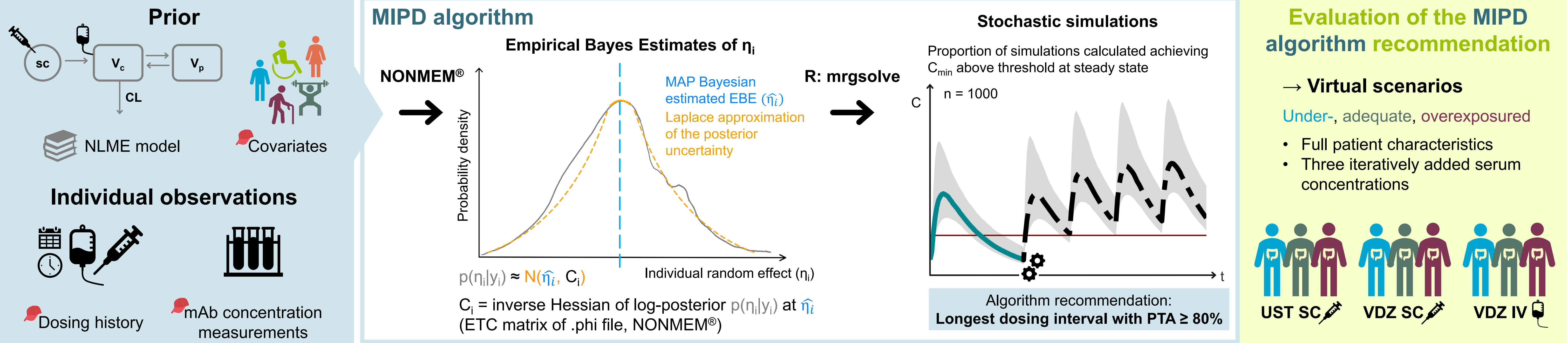
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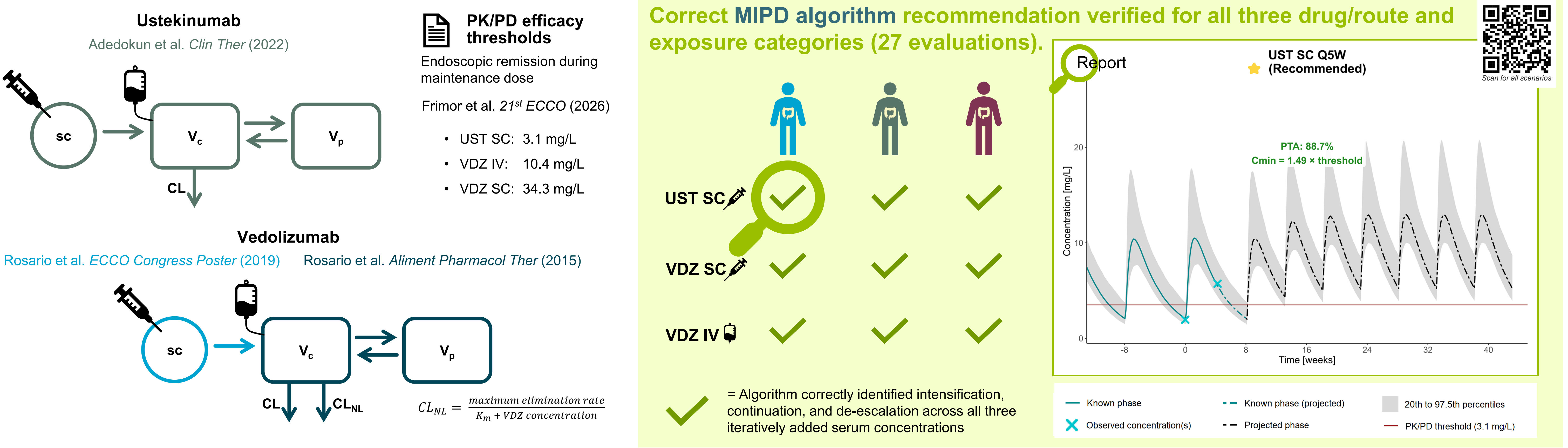
Background and Objectives



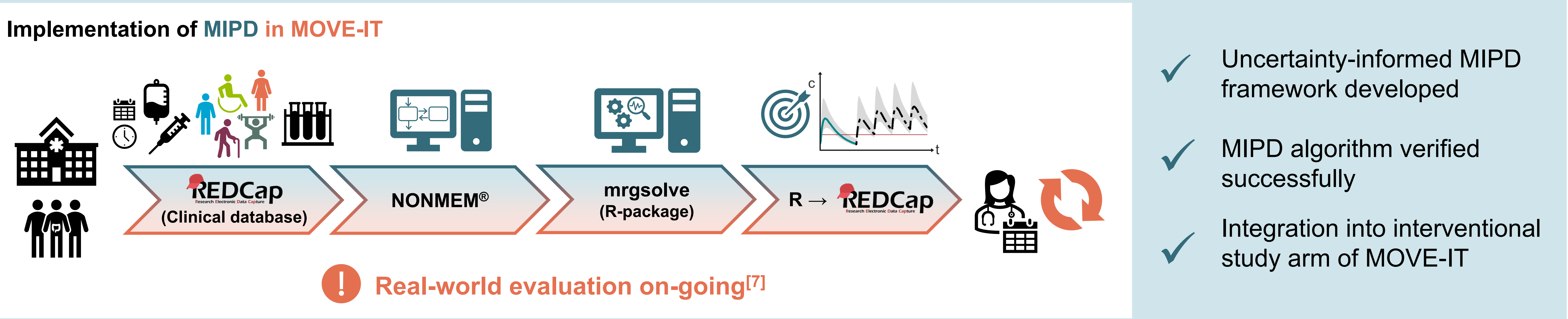
Methods



Results



Discussion and Conclusions



References

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Abbreviations

CL_{NL}: Nonlinear Clearance
C_{min}: Minimum serum concentration
EBE: Empirical Bayes Estimate
 η_i : individual random effect
IBD: Inflammatory bowel diseases
IV: Intravenous
K_m: Michaelis-Menten constant
mAb: Monoclonal antibody
MAP: Maximum a posteriori
MIPD: Model-informed precision dosing
NLME: Nonlinear mixed-effects
PD: Pharmacodynamic(s)
PK: Pharmacokinetic(s)
PTA: Probability of target attainment
RCT: Randomised controlled trial
SC: Subcutaneous
UST: Ustekinumab
V_c: Central volume of distribution
V_p: Peripheral volume of distribution
VDZ: Vedolizumab



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