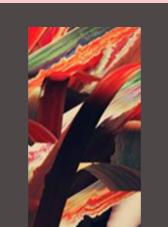
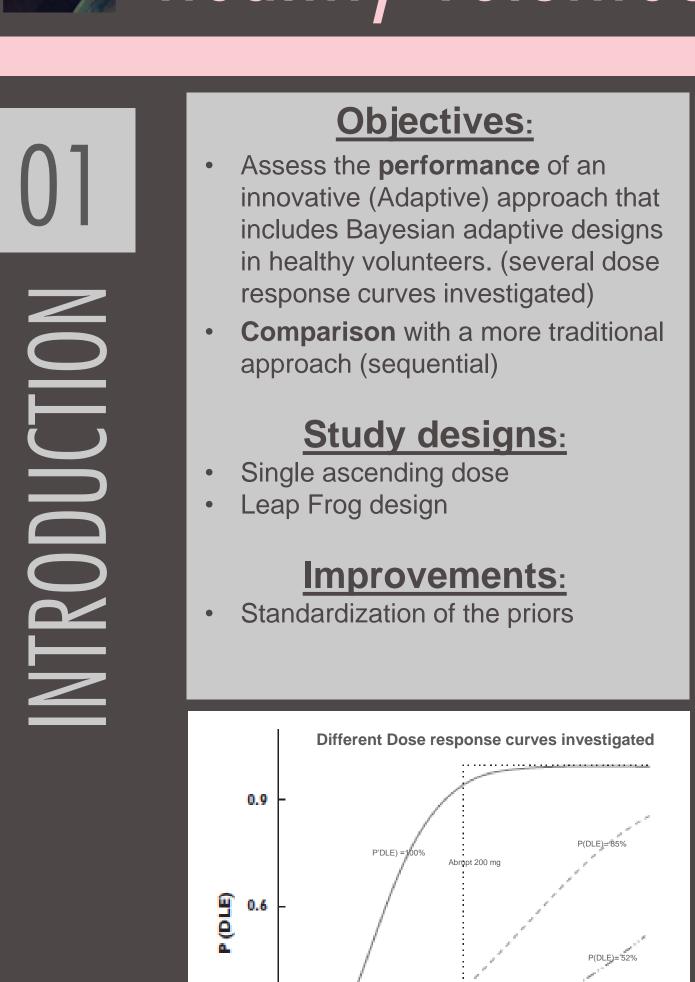
**CLINBAY** 

## Symposium on Early Phase Dose Finding Methodology



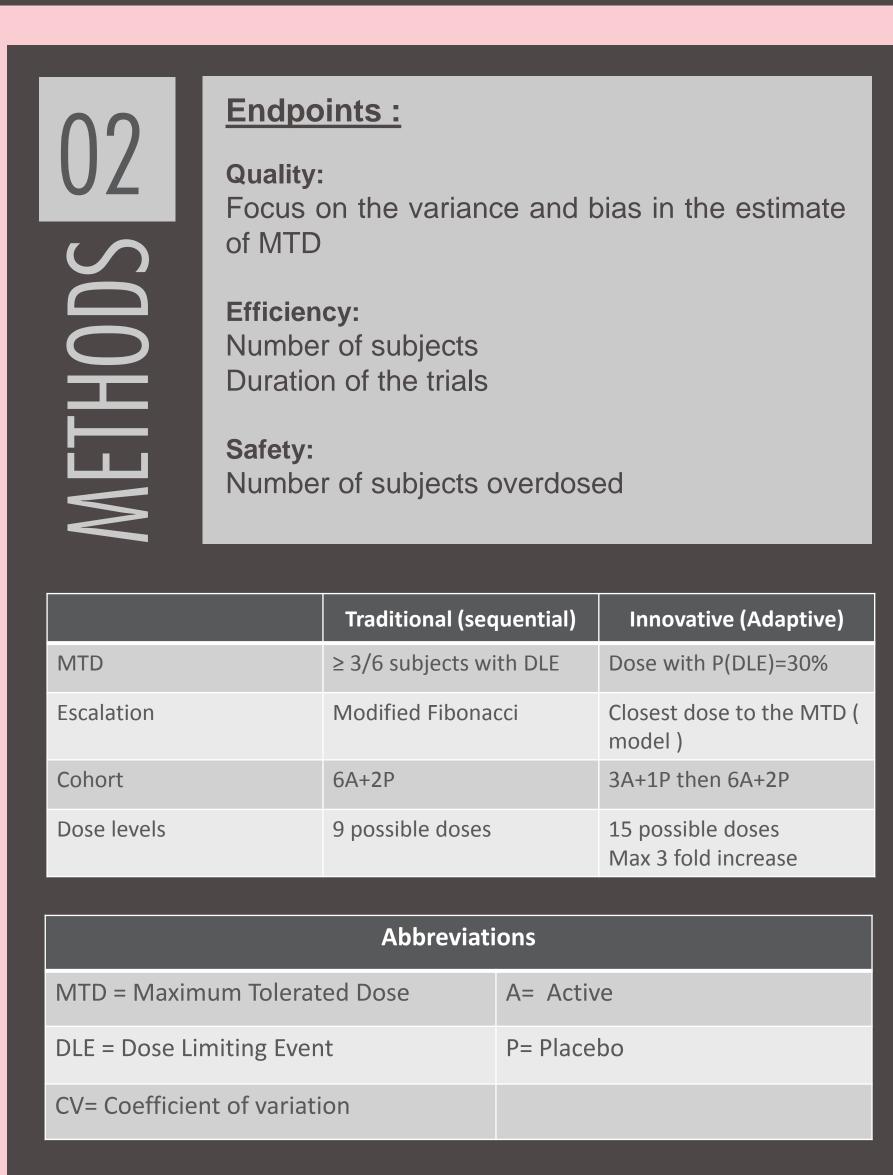
## Bayesian adaptive designs for phase 1 studies in healthy volunteers

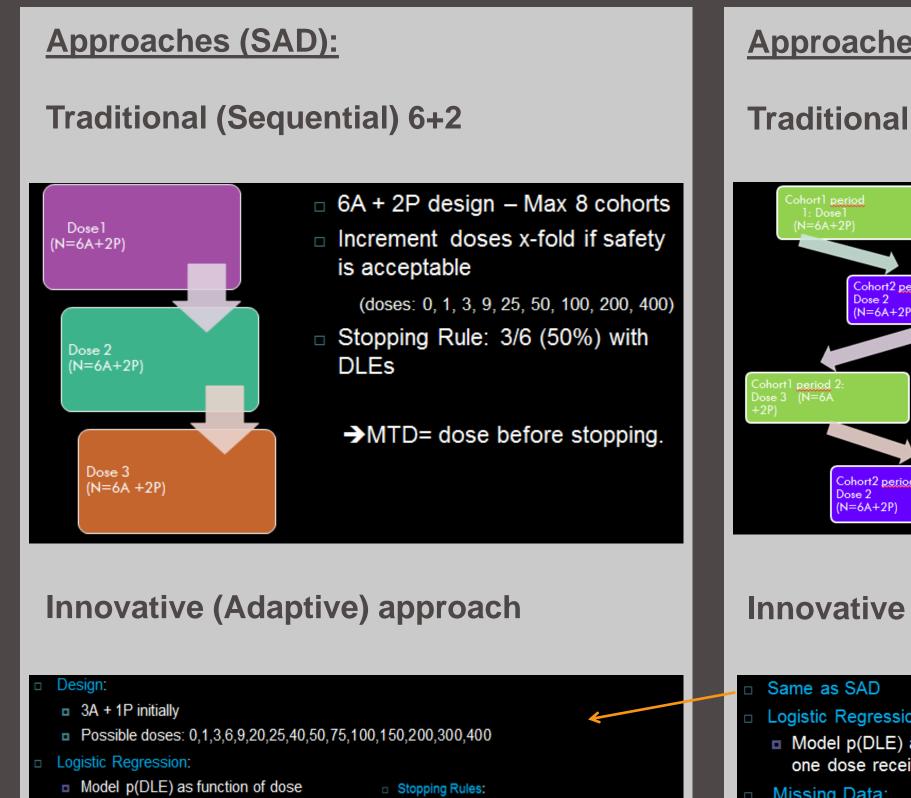




300

Dose (mg)





MTD Found

MTD not Found

Maximum number of cohorts (16)

MTD quantified:

Next dose level:

Example: MTD=5.8

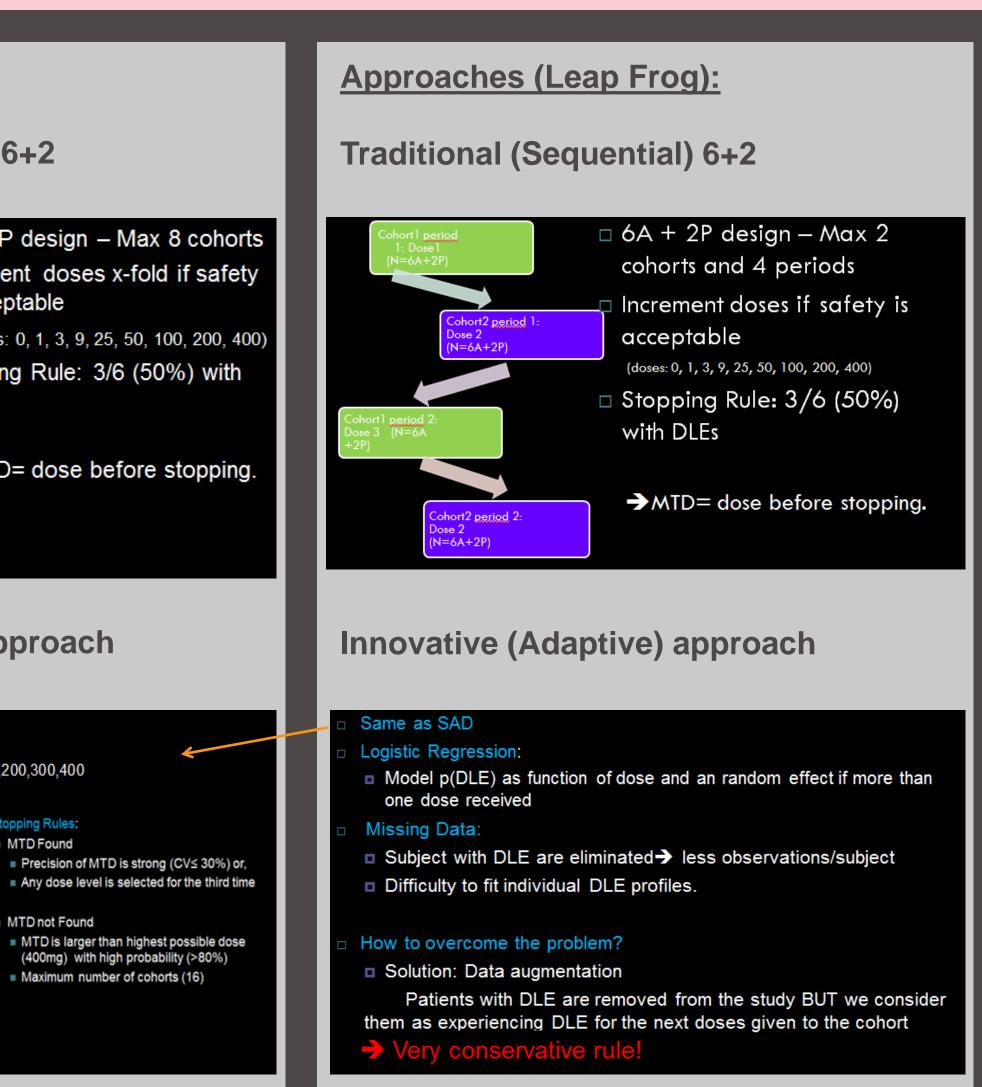
Dose where p(DLE)=30%

Possible dose closest to predicted MTD

Maximum 3-fold increase in doses

Current dose=3 -> Next dose = 6

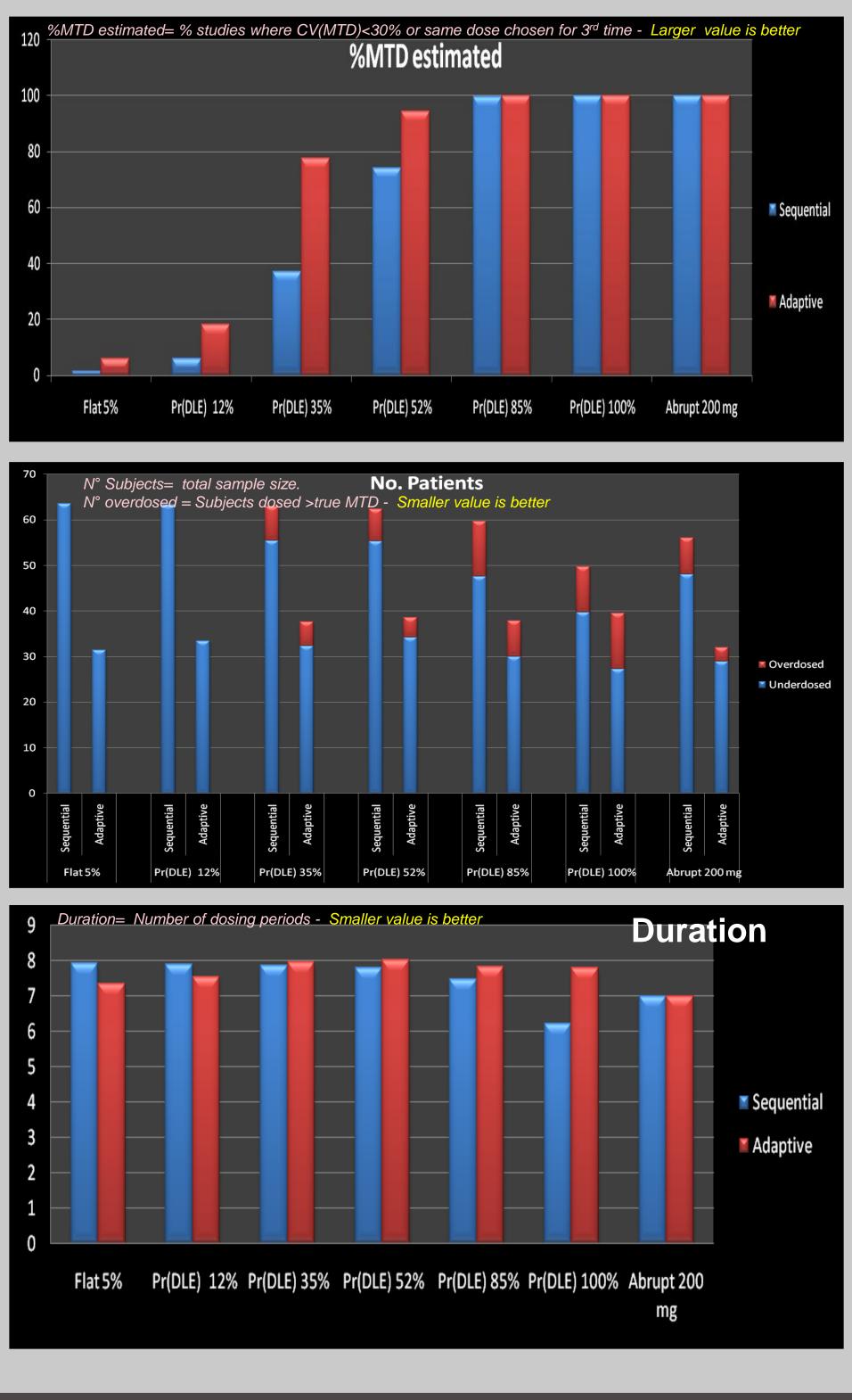
Current dose=1 -> Next dose = 3



ESULTS

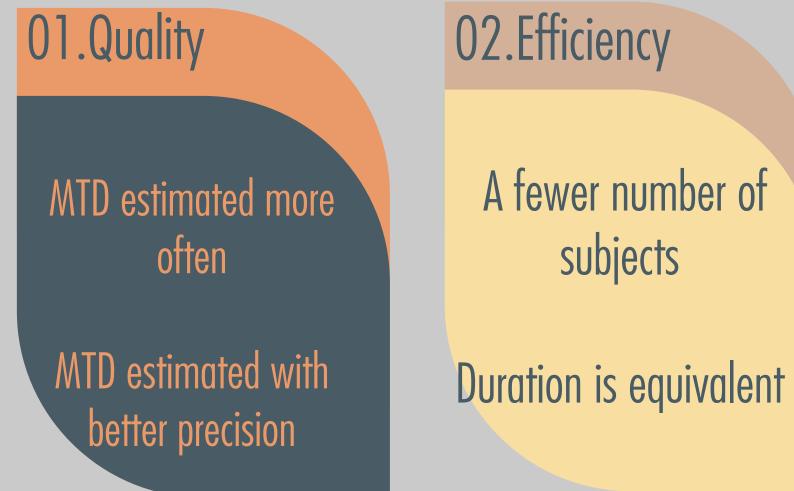
## SAD











03.Safety

A fewer number of A fewer number of subjects overdosed subjects

For Safety only, Leap frog is not necessarily

better than SAD

04. SAD Vs. LF

05. Improvements

A new methodology to define the priors:

- avoid MCMC
- a clear meaning of the priors

