



## DEsign and conDUCT of dose Escalation trials (DEDUCE)

A unified resource for clinical investigators and statisticians to design and conduct more efficient and accurate phase 1 trials.

formatting

### Overview

The DEDUCE platform is an interactive, web-based resource to design and conduct phase 1 dose escalation trials using rule-based and Bayesian adaptive designs. Our goal in developing this application is to raise awareness, educate, and provide open access to investigators for alternative, improved methods and tools to design and conduct phase 1 dose escalation trials.

### DEDUCE Modules:

- **Trial Design**  
Users can specify and compare the operating characteristics for hypothetical phase 1 designs through trial simulations, and select an optimal design for the

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Inputs

Designs:

✓ 3+3

☐ CRM

☐ TARGET-CRM

Number of Dose Levels

3

4

10

Dose Level Labels

-1,1,2,3

Starting Dose Level

1

Number of Simulated Trials

100

10,000

Target Toxicity Probability

0

0.2

1