

New Drug and Biologics Development

Current Stages of Drug Development:



(1) Discovery

Identifying drug candidates through basic research.



(2) Pre-clinical

Animal testing assess basic safety in humans. Approx 75% failure rate.

(3) Clinical Trials

Phase 1 tests a drug's safety and dosage in 20-100 healthy volunteers, while **Phase 2** assesses safety and initial efficacy data in ~200 patients. 95% failure rate compared to animal results.

Phase 3, if reached, tests 1K to 3K patients for better results than standard of care.

(4) FDA Approval

If **Phases 1, 2, & 3** are acceptable, the drug may be approved for sale.

The current failure rate of **Discovery & Pre-clinical** combined is 75%-99%



Total Time 11-16 yrs approx.
Total Cost per Drug: ~ \$1B to 4B

CURRENT DRUG DEVELOPMENT PATHWAYS

5K-10K Chemical Compounds

(3-5 yrs approx.)

250 Compounds

(1-2 yrs approx.)

Phase I

Phase II

Phase III

One Approved Drug

(1-2 yrs approx.)

PRAEDICARE TECHNOLOGY with MODELING and AI

5K-10K Chemical Compounds

(3-5 yrs approx.)

25 Compounds

(6 mo- 1 yrs approx.)

Phase I

Phase II

Phase III

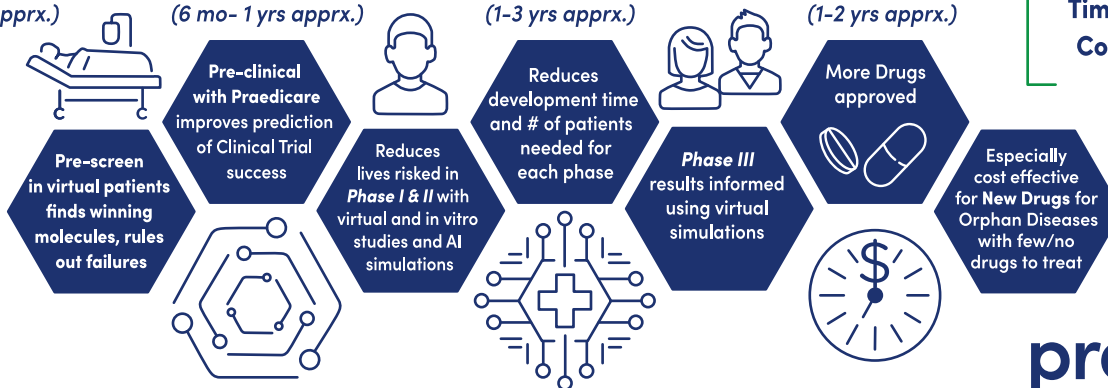
TWO Approved

(1-2 yrs approx.)

Time saved ~ 5 to 10 yrs
Cost Saved ~ \$1B to 3B

Benefits of Drug Development with Praedicare:

Reduces time spent, costs wasted, and lives risked.



praedicare™