DRUG DEVELOPMENT PROCESS

Out of every **10,000-15,000 new compounds** identified during discovery, **five are considered safe for testing** in human volunteers. **Only one of these compounds** is typically approved **as a marketed drug.**

10,000–15,000 Compounds

250 Compounds

5 Compounds

1 FDA-Approved Drug

3-6 YEARS	6-7 YEARS	0.5-2 YEARS

Drug Discovery

Pre-clinical

Clinical Trials

FDA Review

Manufacturing

Phase I	Phase II	Phase III
20-100 Volunteers	100-500 Volunteers	1,000-5,000 Volunteers

Phase IV Post-Approval

Pre-discovery

IND Submitted

NDA Submitted

AVERAGE COST: $1 billion+   **DURATION:** 10-15 years*

PPD®

*Source: ACRO

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