

Elevating Decision Making in Pharma with AI

Applications and Use Cases

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10-15

Years

To develop a new drug

~\$1.2B

Cost

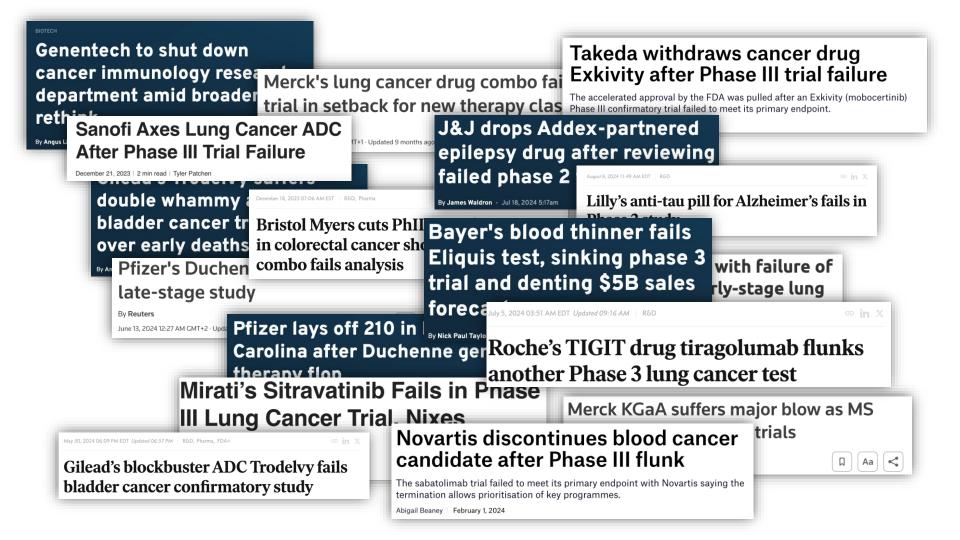
To bring a new drug to market

~70%R&D Spend

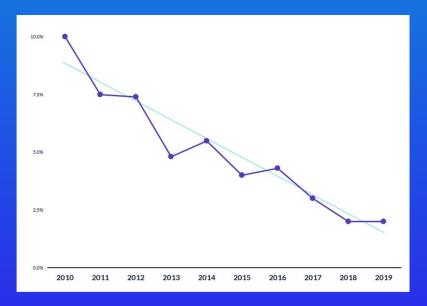
Associated with failed projects



~9 out of 10 drugs fail



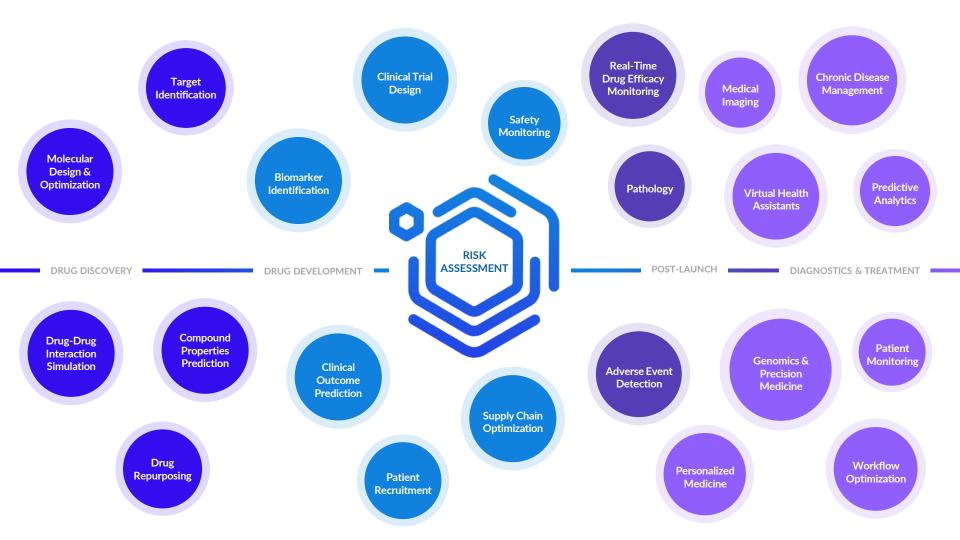
Legacy
approaches
to drug
development
are in decline



R&D returns are steadily declining

Average decline of 0.83% per year





Probability of Technical and Regulatory Success (PTRS)

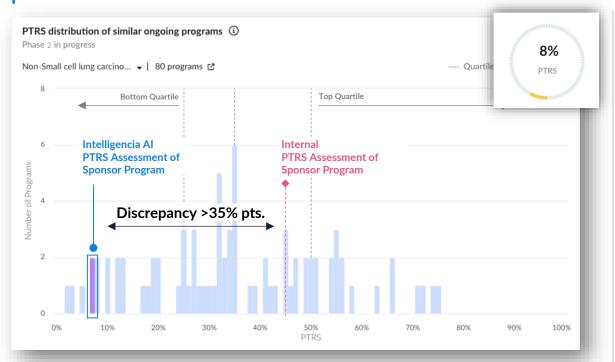
The likelihood of a drug successfully navigating clinical trials and receiving approval from regulatory agencies





Example 1 | Support asset prioritization with data-driven

Global biopharma company leverages patented Intelligencia Portfolio Optimizer™ to enhance its scientific and business decision-making



Key Challenges

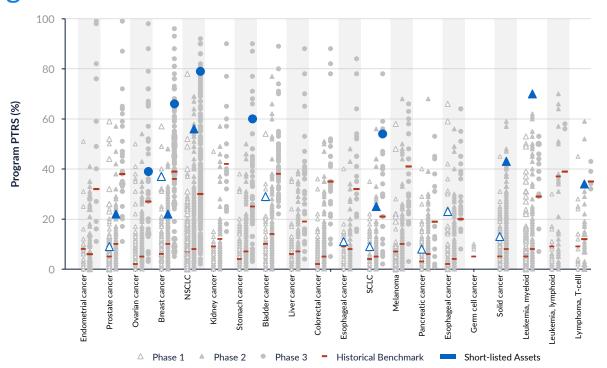
- Resource-intensive and inconsistent process for evaluating development risk
- Limited data and lack of objectivity for portfolio go/no-go decisions
- Overconfident internally calculated PTRS prediction for a leading program

Key Outcomes & Impact

- Streamlined and improved workflow for PTRS assessments
- Time savings from months to weeks on the PTRS process
- Potential savings of >\$25M in Phase 3 clinical development costs

Example 2 | Screen external innovation to prioritize assets for

Global pharmaceutical company used data and AI to streamline business development activities



Key Objectives

- Review and evaluate oncology innovation landscape
- Scan 1,000+ potential assets using custom criteria fitting company needs
- Identify market opportunities and unmet needs

Key Outcomes & Impact

- On-demand access to Al-powered insights
- Narrowed down 1,000+ oncology assets to 20 most promising ones for the 10+ tumor of interest
- >80% savings on resources to research, validate and filter assets

Increase R&D ROI

Average savings of \$8-25M per year* by reducing the number of failed phase 2 and phase 3 trials

Accelerate Time to Market

Average savings of \$2-5M per month of delayed launch of a single asset** by accelerating decision-making

Improve Risk Pricing

Average savings of \$3-5M in upfront payments* for every 5% points of miscalculated PTRS in licensing deals



^{*} Based on failed trials only in oncology and I&I

^{**} Based on drug peak sales of \$0.5-1B



Thank You.

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