

# Genetics and Genomics in Clinical Research

Did you know...



**Genetics** is the study of heredity, and focuses on a single gene or mutation.



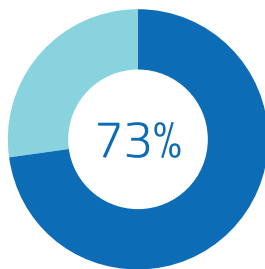
**Genomics** looks at the complete genetic makeup, exploring how genes interact with one another and the environment.

Together, genetics and genomics are transforming clinical trials and drug development for diseases from cystic fibrosis to cancer to Alzheimer's

Investment in personalized medicine is expected to increase

**33% ↑**

between 2015-2020



Roughly 73% of oncology trials collect biomarker and genetic data

Source: Tufts CSDD Impact Report: 2015;17(3)

**FACT:**

Almost all clinical trials will eventually have a genetic component.

**FACT:**

Adding that genetic component will make trials more efficient **and** more complex.

Are you prepared?



There's much more to know.  
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