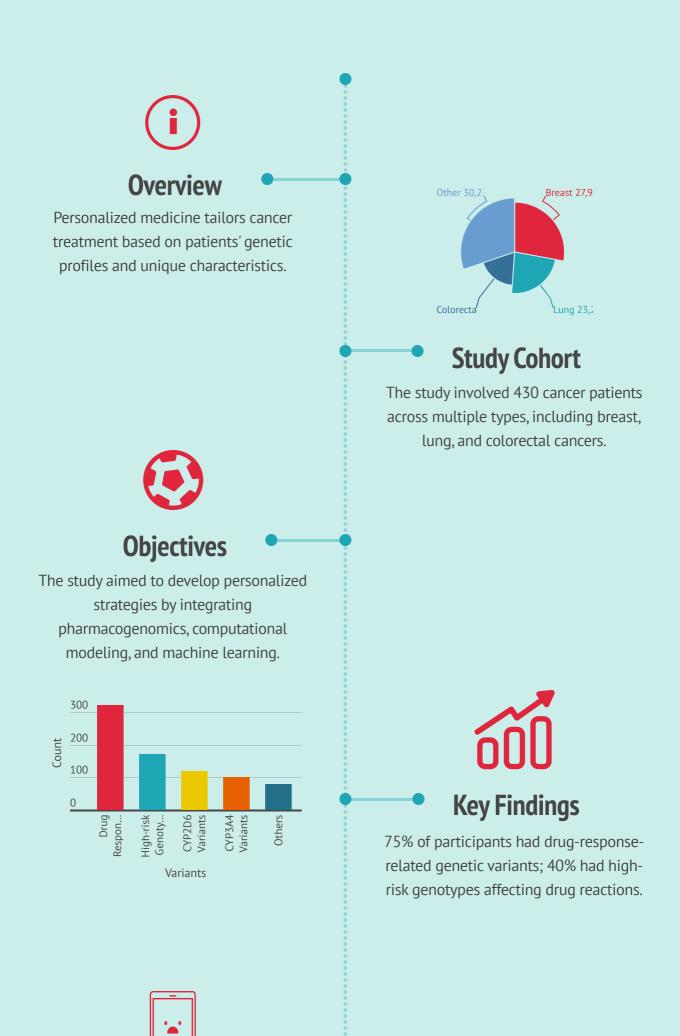




Computational Pharmacogenomic Personalization

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Techniques

Next-generation sequencing and machine learning models were used to analyze genetic data and predict treatment outcomes.



Machine Learning

Models like SVM and Random Forest achieved 85% accuracy in predicting treatment responses for cancer patients.



Outcomes

The study demonstrated a 70% response rate and showed a 30% reduction in treatment costs through personalized approaches.



Conclusion

Integrating pharmacogenomics with computational modeling leads to improved prediction of treatment outcomes, enhancing decision-making for personalized cancer therapy, thus making it more effective and cost-efficient for patients.

JHWCR | Graphical Abstract