

Case Study:

Unifying Biomarker & Clinical Data Across Programs Using Automated Workflows

The Client

Precision Oncology Biopharma

Clinical development and translational research teams executing phase I and II studies

Two Ph I Trials



Three Ph I Trials



The Challenge

Clinical Development

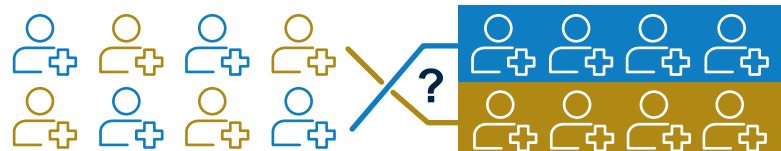
Limited pool of potential patients to recruit



The Risk

Enrolling Patients Unlikely to Respond to Therapy

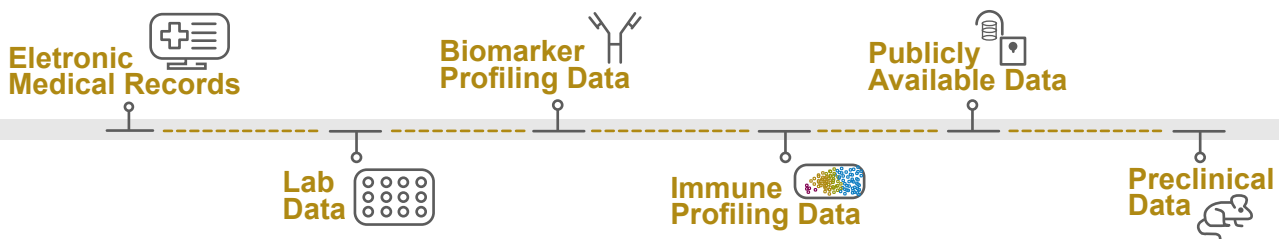
Hard to screen & stratify patients – biomarker profile not well-defined



The Goal

Build a Biomarker Profile from Disconnected Data

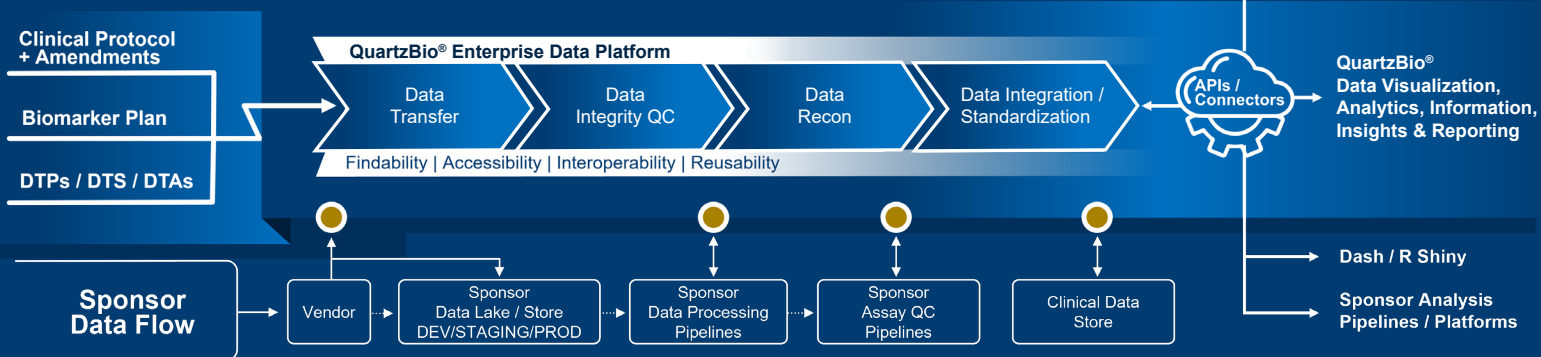
Data sets scattered across multiple, disconnected cloud storage solutions



The Solution

QuartzBio® enterprise Biomarker Data Management (eBDM) SaaS Application

Bringing biomarker and clinical data together via reproducible, scalable workflows



Advantages



Flexibility

Library of configuration-ready workflows spanned all assay technologies



Automation

Data type-specific templates automatically harmonized and annotated data from different vendors, during or after import



Reproducibility

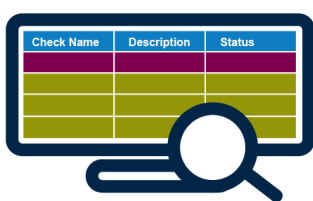
Automated data workflows generated consistent output every time, enabling scale-up without risking data quality

The Outcomes

1. Accurate Trial Execution

2. Collaboration on Data Management and Business Intelligence by Diverse Teams across Client Organization

Functional Teams: How each team used enterprise Biomarker Data Management



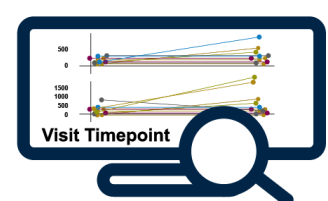
Biomarker Operations

On-study reporting of data quality, data conformity, data availability, vendor performance, and turnaround times



Bioinformatics / Computational Biology

Generated visualizations and connected data to existing tools (e.g., Spotfire, Prism)



Clinical Development & Translational Research

Obtained early insights into the ideal genomic profile of responder patients