DIGITAL TRANSFORMATION TECHNOLOGIES IN THE PHARMACOVIGILANCE SIGNAL DETECTION SPACE

A Major Biopharmaceutical Company

The Client wanted to assess the current state of the field of pharmacovigilance (PV) signal detection and understand the business and regulatory challenges the company would face upon implementation of such a solution.

CHALLENGE

The Client engaged PreScouter in this Research Support Service Project to assist them in landscaping the digital transformation technologies that could improve the efficiency and effectiveness of surveillance and signal detection processes for picking up crucial information concerning adverse events.

APPROACH

PreScouter began by mapping the state of the signaling and surveillance space for automating signal detection and identifying disruptive technologies. The team then determined quantitative metrics that would allow the ranking and differentiating of these solutions. Leveraging technical literature as well as interviews with **8 Subject Matter Experts** (SMEs), PreScouter created profiles of each PV signal detection solution and then weighed the pros and cons of each type of solution.

OUTCOME

PreScouter identified **63 stakeholders and software solutions and profiled 37** of these in slides decks. Based on the SME interviews, the PreScouter team generated a mathematical model for the Client that allowed them to model the financial consequences of integration of each of these solutions in different scenarios.