

LANDSCAPING FACTORS AFFECTING MEDICATION ADHERENCE AND COMPLIANCE



A Leading Global Pharmaceutical Company

As a global leader in the development and marketing of drug treatments for various diseases, the Client wanted to learn about the factors impacting drug adherence. They were interested in both drug specific and non-specific factors so they could leverage this knowledge to design better medications or medication regimens to foster patient adherence.



CHALLENGE

The challenge for PreScouter in this Research Support Service Project was to find and extract the factors impacting drug adherence from existing scientific publications and clinical studies to help our client better understand the drivers and barriers of adherence to therapy.



APPROACH

PreScouter gathered relevant information regarding the factors affecting medication adherence mainly through analysis of published scientific literature and results of clinical trials. Publications of highest interest were the meta-analysis of drug adherence information from various clinical trials. The team focused on the general factors affecting adherence, followed by cancer-specific medication adherence. Relevant studies were collected in a matrix form where information on significant factors were recorded as well as key study information. In addition to the comprehensive spreadsheet matrix, PreScouter delivered key conclusions in a final report.

Over the course of the engagement, **PreScouter profiled 301 studies** covering factors affecting adherence to general and cancer-targeted medication, the association of adherence rates with clinical outcomes, and strategies that were being employed to stimulate medication adherence.



OUTCOME

Based on PreScouter's analysis of the data, the team highlighted factors that affect medication adherence (positively or negatively) with the highest magnitude and recommended the most effective approaches to fostering medication adherence to the Client.