

# OncoPredict

## Cancer Trial Completion Prediction

10,000

Total Trials

79.1%

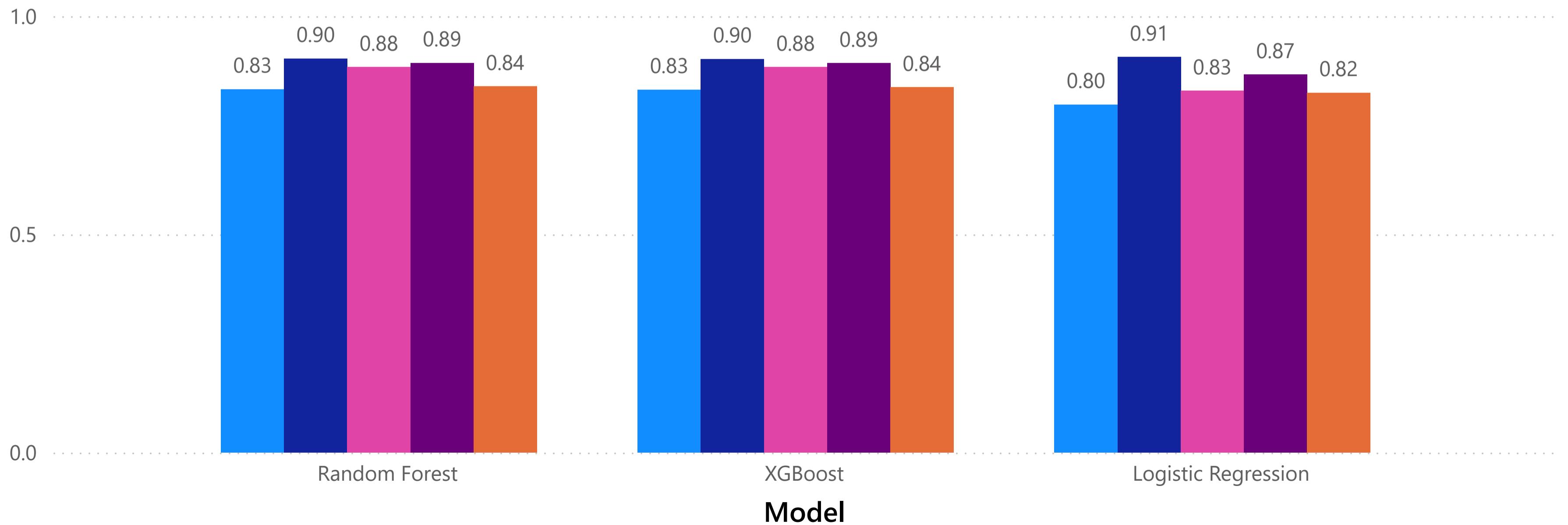
Overall Completion Rate

2,000

Test Set Trials

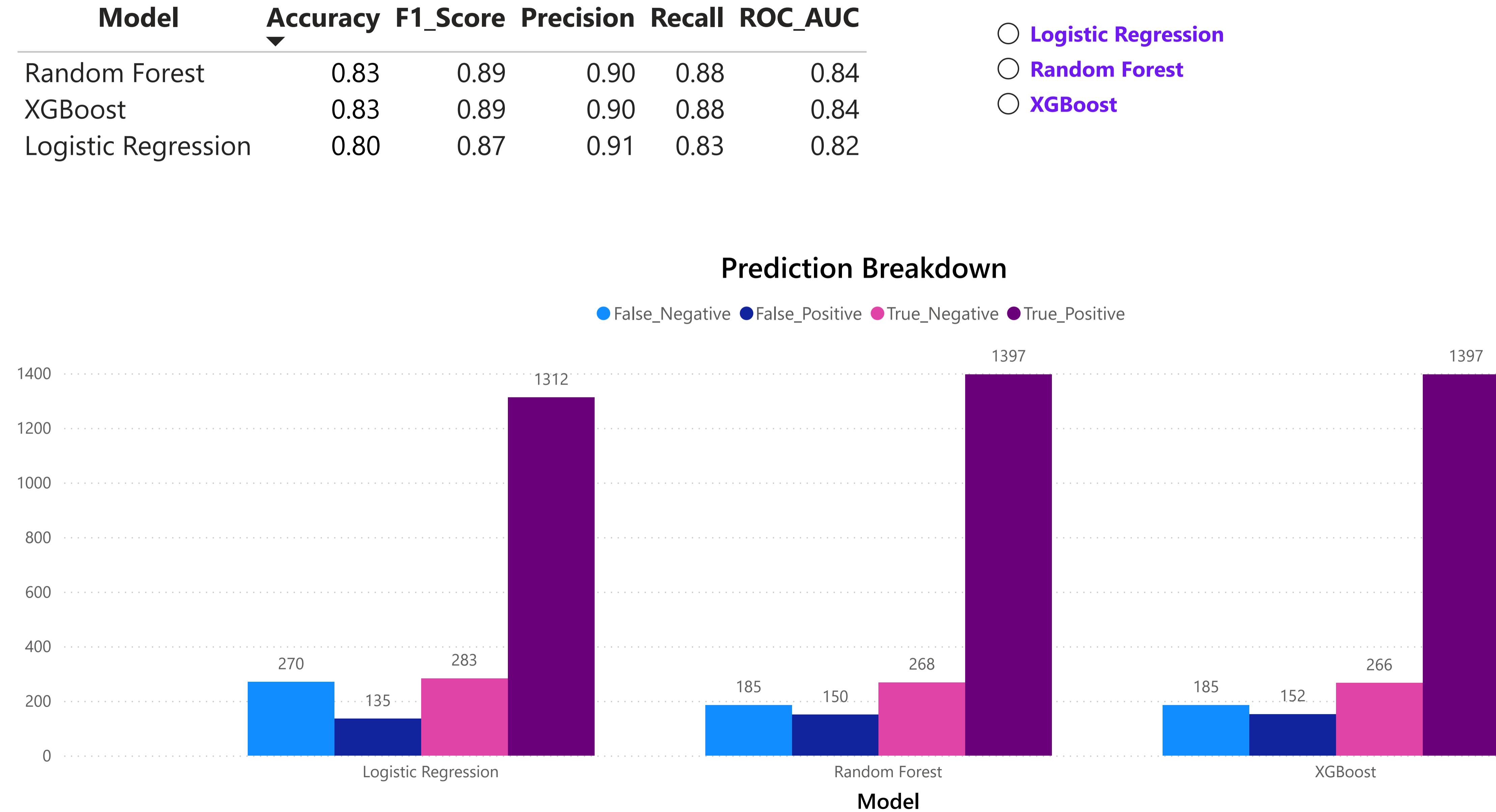
### Model Performance Comparison

● Accuracy ● Precision ● Recall ● F1\_Score ● ROC\_AUC



**XGBoost achieves 83.15% accuracy, outperforming baseline by 3.4%. Model correctly identifies 83% of at-risk trials, enabling early intervention**

# Model Performance Deep Dive



# Clinical Trials Dataset Overview

228

Avg Enrollment per Trial

1.3K days

Median Trial Duration

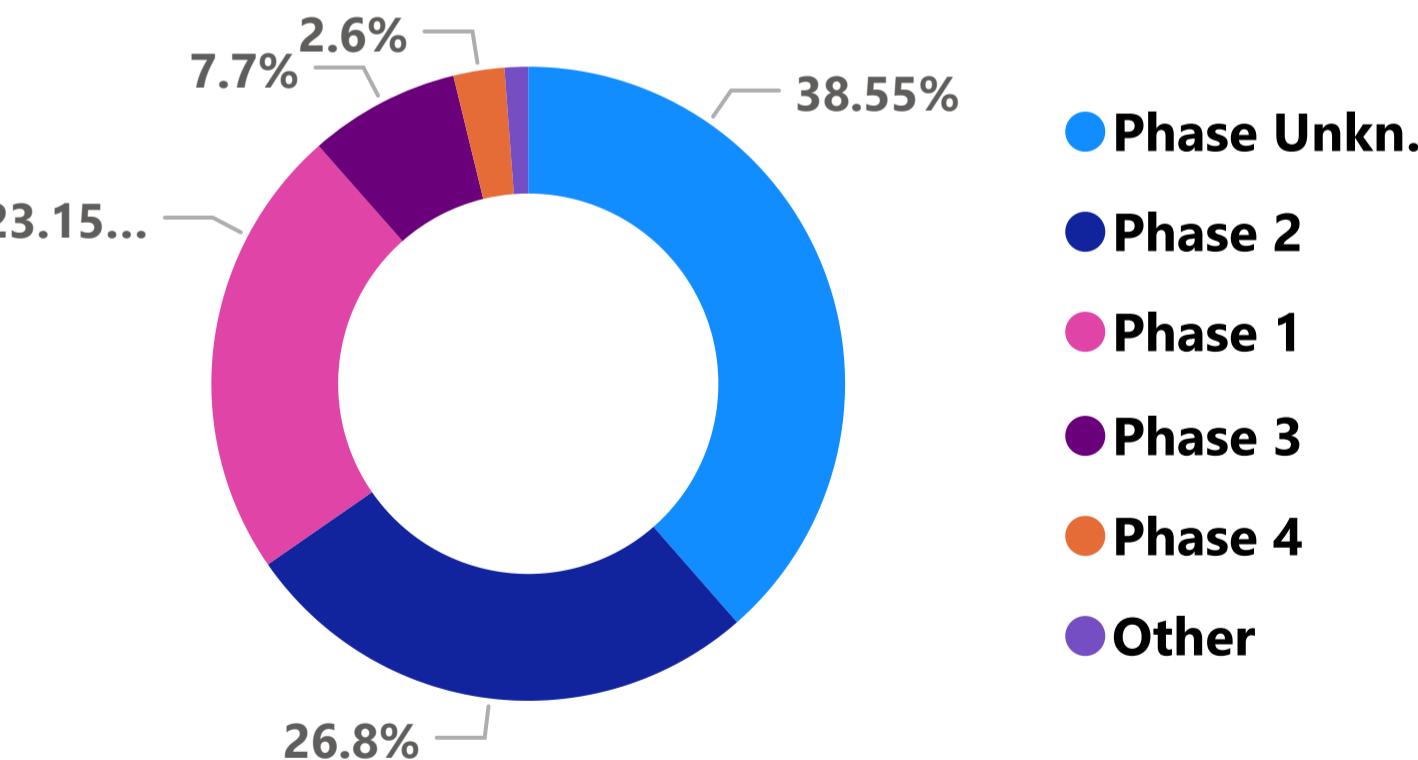
2

Most Common Phase

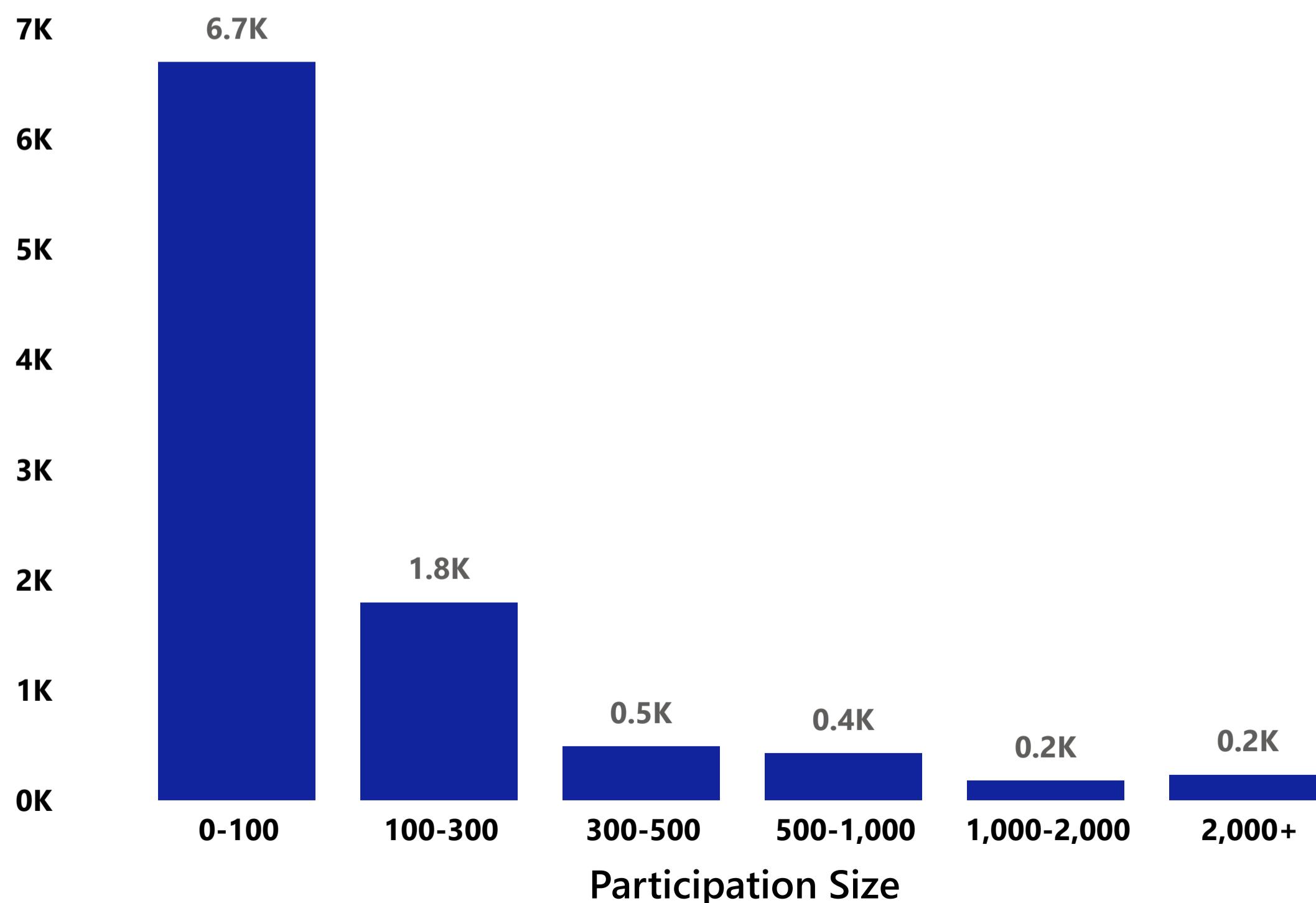
31.4%

Of Trials Were Large(>500 People)

Distribution of Trials By Current Phase



Distribution Of Trials By Number Of People Participating



67% of trials enroll <100 participants. Small trials show 2.3x higher termination rates, making enrollment the strongest predictor of trial success.

**Focus recruitment efforts early to reach 500+ participants.**