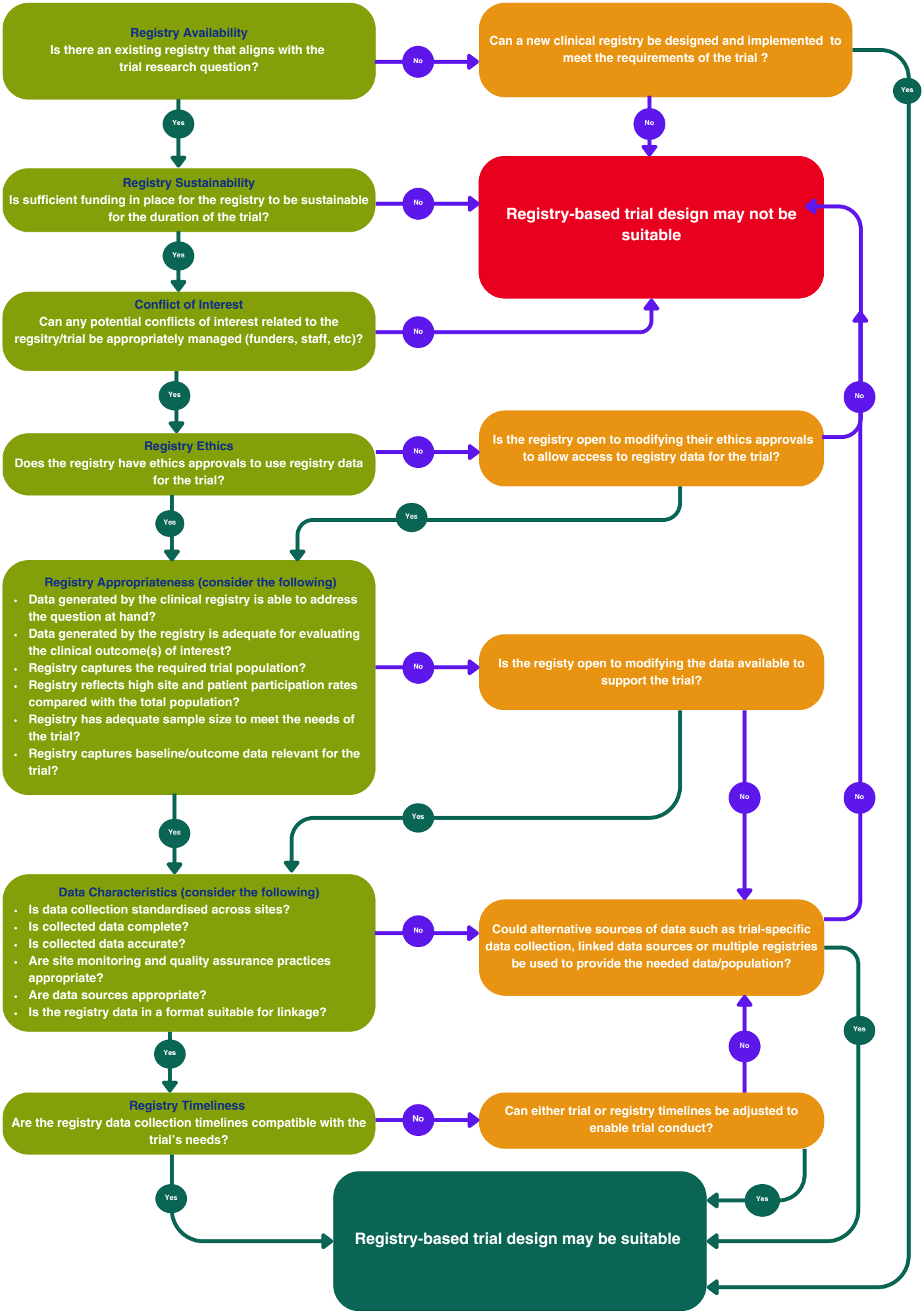Registry based trial decision tree