

Generating Better Boolean Queries

- More effective queries means less time spent screening studies
- Boolean queries have lots of different possible, complex variations
- Little is known about the performance of a query until after the screening process is over

Method

- Define transformations that can be applied to clauses of Boolean queries
 - No new terms are added or removed (except the use of MeSH explosion)
- Apply all transformations to a query
- Select the best query
- Repeat until some stopping criteria is met