

Query Transformations

- Query generation [41] and query expansion/reduction [46, 74] have had success in clinical IR fields with non-Boolean queries
- Aspects of a query are modified (e.g. terms are added or removed) in order to create a **more effective query**
- However, again it is **unclear how to apply these techniques to Boolean queries**

Reducing the Screening Workload

- Cohen et al. [18] and Khabsa et al. [39] have both investigated classifiers to assist reviewers appraise the full text of studies for inclusion and exclusion
 - Again, a **small test collection is used**
 - These techniques have **not been applied** to the initial result set
- Miwa et al. [51] has investigated active learning for certainty-based screening
 - However, the results show that there is a **variability in the effectiveness of this approach**