

Usability methods of mobile applications in healthcare education

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Background

Developers of mobile applications need to consider different usability attributes, such as effectiveness, efficiency, satisfaction, learnability, memorability, errors, simplicity, comprehensibility and/or learning performance.

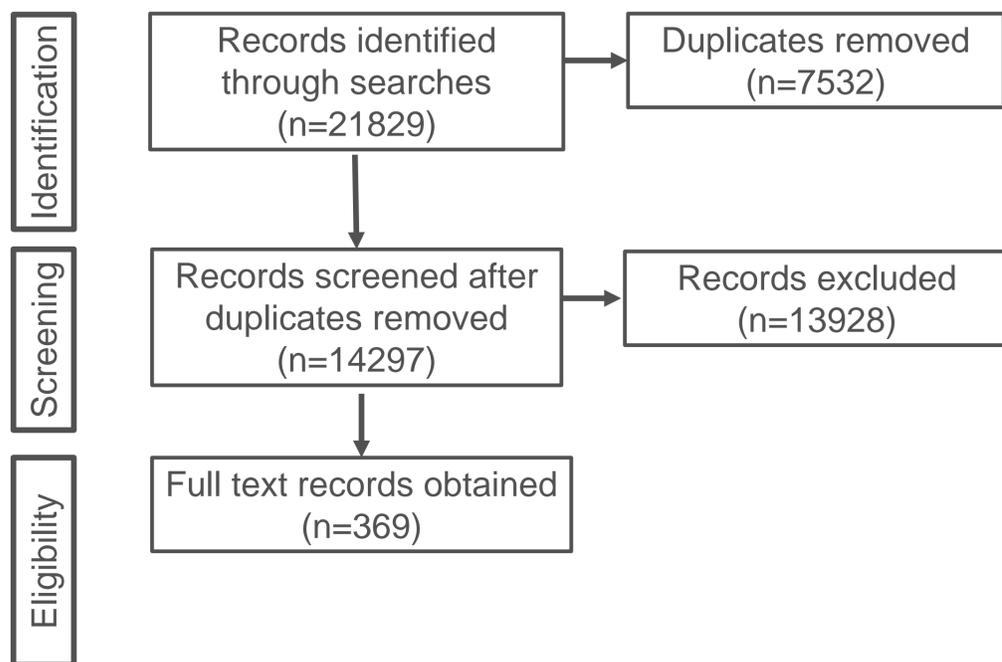
Aim

To conduct a systematic review of methods used in usability studies of mobile applications for healthcare education.

Methods

The systematic review is registered in PROSPERO, no. 124132. Eight electronic databases covering technology, education and healthcare were searched. We included both qualitative and quantitative studies without restriction of language. A narrative, descriptive synthesis will be conducted.

Figure 1 Flow chart of search result and screening process



Conclusion

The results of this systematic review will provide an overview of usability methods and attributes relevant for the development of mobile applications for healthcare education.

Results

The literature search identified 14,297 unique references after removing 7,532 duplicates. Due to the sensitivity of the search, many of these references were irrelevant and excluded. Following title and abstract screening, full texts of 369 records were obtained. Our next step is to assess these records for eligibility.

Challenges

- Designing an effective search strategy (good sensitivity vs. good precision)
- Understanding the scope of the term “usability”
- Searching engineering databases, e.g. Engineering Village and Scopus