INTRODUCTION

Dedicated health tracking devices perform better than smartphone health applications. Different step count algorithm may use different smartphone sensors.

METHODS

First step was to identify the popular health apps for smartphones on Google Play app store.

The actual step taken will be counted and compared against the smartphone app’s results.

The results from the experiments will then be used for calculating the accuracy and probability estimates of correctness of an app’s results with range of steps.

RESULTS

These data analysis and results will be used for android application.

CONCLUSIONS

Android App is developed to use for empirical study.

The accuracy of the different health apps show variation in the results.

For a smaller step count the results are inconsistent.

The Argus app give highest confidence due to consistent results while Samsung health give lowest confidence.