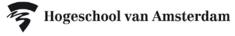


Which features are important for effectiveness of sport- and health-related apps?

Joan Dallinga, Mark Janssen, Jet van der Werf, Steven Vos, Marije Deutekom-Baart de la Faille













Gezondheid en fitness ~ Mijn apps Beste apps voor Gezondheid en fitness Winkelen Familie. meter Keuze van de redactie 2. CalorieënTelle: 6. Strava Rurning 7. Blauwlichtfilte-B. Runtastic Hard 9: Elas 10. Samsung Heal 11. Fitbit 1. Stappenteller Mijn Eelmete: 4. 30-daagse film :5. RunKeeper - GF toyutau MyRmessPat, Inc. Lesp Fitness Group FitnessKeeper Inc. Strava Inc. Leap Fitness Group Samsung Bectronics C Fithit, inc. **** *** **** *** **** **** **** **** *** **** *** truo verlanglijstje your puders 14 FitKroodle- gall 15, 7 Minute Train 16: TomTom Spp 17. Endomondo i in 18. CalorieTeller ::: 19. Google Fit - Fili 20. Calorieëntelle 21. Headspace - - -23. Sleep Cycle sliii 24. Stoppen Met 8 Simple Design Ltd. Google Inc. Pacer Health **** **** ***1 **** *** **** **** ***** **** **** **** Rode Kruis 28. Geocaching® 29. Monitor je ges 30. Basic-Fit Online 31. AfsgrakenApp 32: Wandelen 33. Virtuagym Film 34. Cyclus Kalervin 35. Hartslagmete. 36, Water Time Pin 37 RouteYou





MapMyFitness, Inc.





Husain Al-Bustan.

My Doly Bts





Virtuariym Professional

Preruggal Minorier & Kind

Punten



Appropriate Approp









Simple Design Ltd.

Mario Hatria







Mobile Creatures

Hartstichting





12. Gratis Stapper

25. Garmin Conni-

38. monitor van de

Care Fri Studio

4Free Studio



39. Weight Watch

13. Fitatu Caloriei

Fithiu

26. Twilight Urbandrad Team



40. Voor Goud - mi

Jod Scukers

53 Mi Fil 54. Zwanger en Zu Morra en Zo B V



Reanimatie

Diee 56. Alvalenmet in Bookman ***:





Leap Fitness Group

Calm.com, Inc.

Wandelplatform Nederl



Medisana AG



TOMTOM# 60. TomTom My Tom Tom International I

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7 Minute Fitness - Free Workout Tr... 7 Min Workout (workout van 7 min... BMI Calculator

Buikspieren Trainer Fitway - Train ... Runtastic Squats - Workouts, Coun...

Ab Workout X FREE+ Six-Pack Core... Zwangerschapsmeter

Introduction





Introduction



- Running, bicycling, walking (Dallinga et al., 2016)
- Potential support + encourage physical activity
- Value of app features?

Aim



Identify which features in sport- and health-related apps contribute to effectiveness of apps.

Method



- Expert meeting (focus groups)
 - Two subgroups
- Nominal group technique (Van de Ven, 1972)

→ Identify and rank app features relevant for effectiveness of apps

Nominal group technique



Round 1: Individually list all features that they found necessary for increasing effectiveness of apps.

All features were collected, explained and listed on a white board

Round 2: Individually rank the ten most important features

Rankings were discussed group wise

Round 3: Final ranking of the ten most important features. Score 0-100 importance.

Results

Feature	Mean score	Frequency	Weighing
Usability	86,3	7	603,8
Monitoring / statistics	92,5	5	462,5
Fun	79,4	5	396,9
Motivating feedback	91,3	4	365,0
Works good technically	87,5	4	350,0
Tailoring start level	85,0	4	340,0
Anticipating / context awareness	60,4	5	302,1
Tailoring always	85,0	3	255,0
Check on health	73,3	3	220,0
Social	72,5	3	217,5
Instructional feedback	95,0	2	190,0



Usability



"Does the app do what you expect from it and are certain functions working."

"That the app is easy to use. And that you can easily find all functions."

"Usability is really about if I can execute the task I want to do as good as possible."

Monitoring / statistics



"That you can monitor statistics, that you can see all activities you did and when."

"Insight and measuring of exercise behavior."

Conclusion



- Usability, monitor/ statistics, fun
- Smart and tailored app + provide feedback
 - + anticipate on the environment
- Usability = premise
- Currently available exercise app rating scales could be revised

Next steps



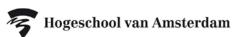
- Preferences sport app users
- Preferences sportprofessionals
- → Develop decision tool for apps

Thank you!



- @DallingaJoan
- @krachtvansport

j.m.dallinga@hva.nl













Discussion





Topics to discuss



- How to deal with innovations as health care professional?
- What are the best ways to create user engagement and adherence?
- Blended interventions: how to combine the best of both worlds?
- How to collect user data while guaranteeing privacy?