





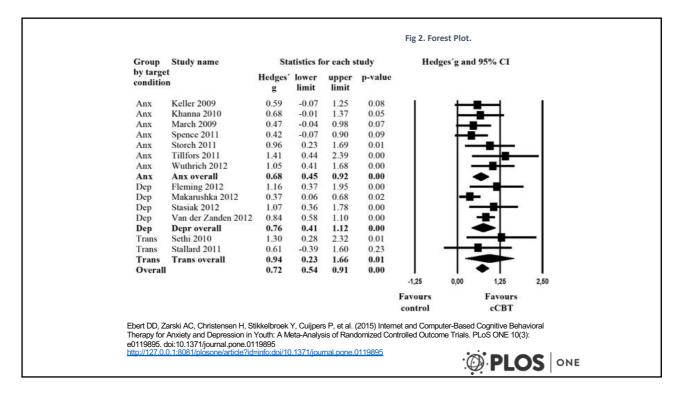


### Psychological therapies should be the first line of treatment

Stigma Privacy Sensitive topics Don't know where and how Talking to a stranger Unevenly distributed resources

# The demand outstrips supply

#### Computerised CBT seems effective (over 100 RCTs)



#### Apps are not the be all....

#### Young people need

- Love, belonging & identity
- **Purpose** being needed, able to contribute and grow. Both now & future
- Fun, excitement and challenge
- Safety, protection from harms, internal and external resources when harmed
- Help when needed

- Caring staff, positive peer relationships, inclusion
- Learning! Leadership, contribution, participation,
- Safe from bullying & discrimination
- Help in School and beyond



#### JOURNAL OF MEDICAL INTERNET RESEARCH

Fleming et al

Beyond the Trial: Systematic Review of Real-World Uptake and Engagement With Digital Self-Help Interventions for Depression, Low Mood, or Anxiety

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#### Abstract

Beckground: Digital self-help/interventions (including online or computerized programs and apps) for common sinces have been shown to be appending, engaging, and efficacions in randomized controlled traits. They show improving access to therapy and improving population mental health. However, their use in the real world, is, as (disseminated) ounded or exector's estimation, may differ from hut reported in traits, and implementation data are teld Objective: This study aimed to review peer-reviewed articles reporting user spatial and or engoing use, retention, or data thereafter usequed user, for brevery, engogenown (from implemented puer self-help (singuladed) digital inter data thereafter usequed user (singulater), engogenown (from implemented puer self-help (singuladed) digital inter data thereafter used heads the self-help (singulater) and the self-help (singulater).

appression, anxiety, or the enhancement or mood. Methodes: We conducted a systematic accurate of the Scopus, Embase, MEDLINE, and PsychiNIO databases for studies reporting user update and/or using data from implemented dipati self-solip interventions for the treatment or prevention of depression or contained of the studies. And the tritles of articles publishes the interventions, Amarual of Method. Intervent Research (AIRR), and AIRI Netral Health since their inception. We extracted data indicating the number of registrations or downloads and usage of metroritons.

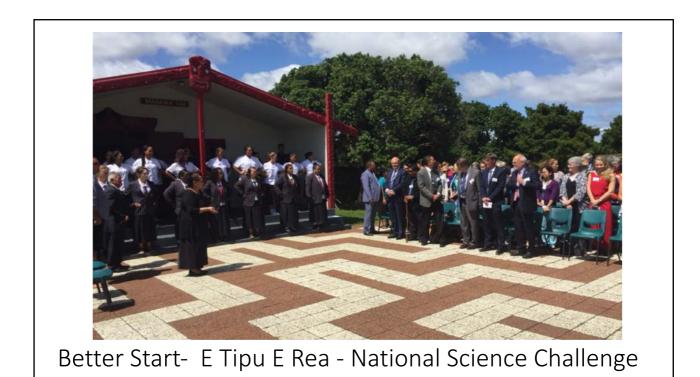
Results: After the removal of deplicates, 970 papers were identified, of which 10 met the inclusion criteria. Hand searching identified 1 addiomatics: The included articles reported on 2 publicly available interventions. There was indic consistence in the measures reported. The number of registrators or downloads ranged widely, from 8 to over 40,000 per month. From 21% to 88% of users regogned in at least minimal use (gr. use the intervention at least one or completed on mondle or assurement), whereas 7 –42% ergaged in moderate use (completing between 40% and 60% of modular fixed-height programs or continuing to use apps after 4 varees). Indications of completions or sustation due (completion of all modules or the last assessment or continuing to use apps after 1 varees). Indications of completions or sustation due (completion of all modules or the last assessment or continuing to use apps after 1 varees). Marchines of completions or sustation due (completions of all modules or the last assessment or continuing to use apps after 1 varees). Marchines of completions or sustation due (completions of all modules or the last assessment or continuing to use apps after 1 varees (the 1 varies) from 0.5% to 28.6%.

Concessions: Available can suggest that update and engagement way wordy among the national or implements ought includes apps and programs that have reported this, and that usage may vary from that reported in truiks. Implementation data should be routinely gathered and reported to facilitate improved uptake and engagement, arguably among the major challenges in digita health.

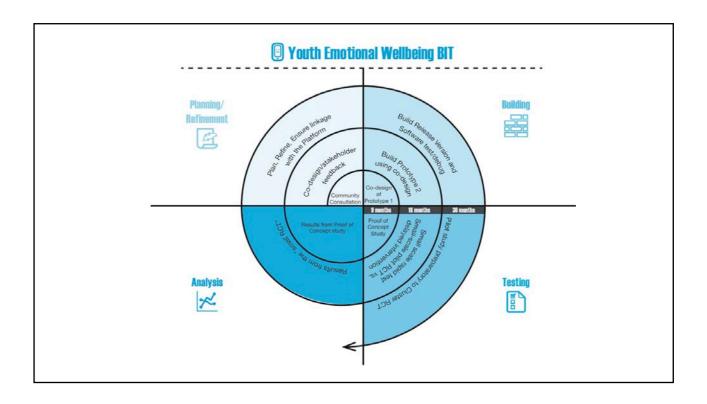
(J Med Internet Res 2018;20(6):e199) doi:10.2196/jmir.9275

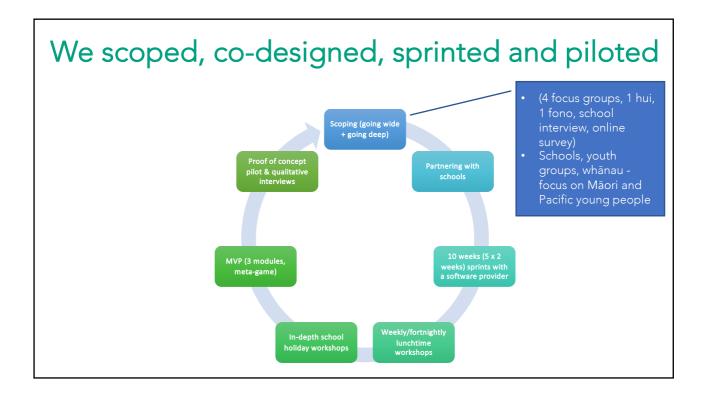
People don't engage well with BITS in real life

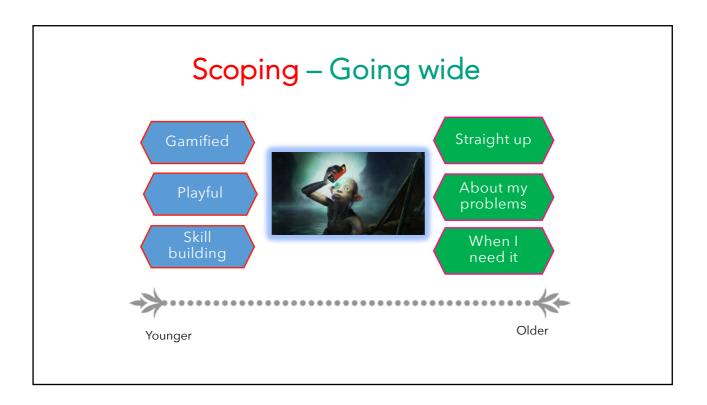
Could co-design help make BITS more engaging?



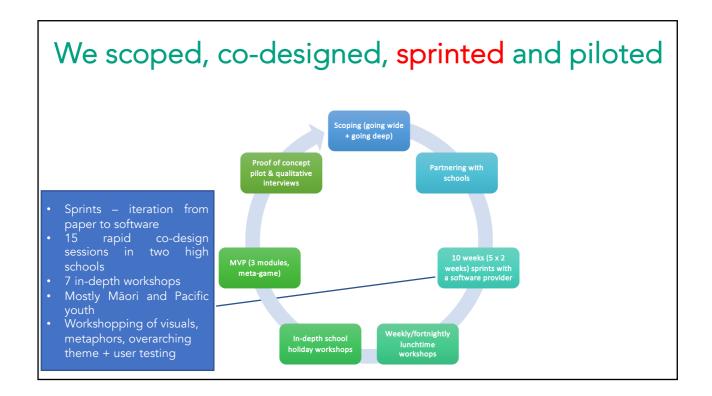










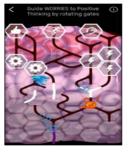


#### We iterated from paper to an MVP



From paper to...





2<sup>nd</sup> mock up

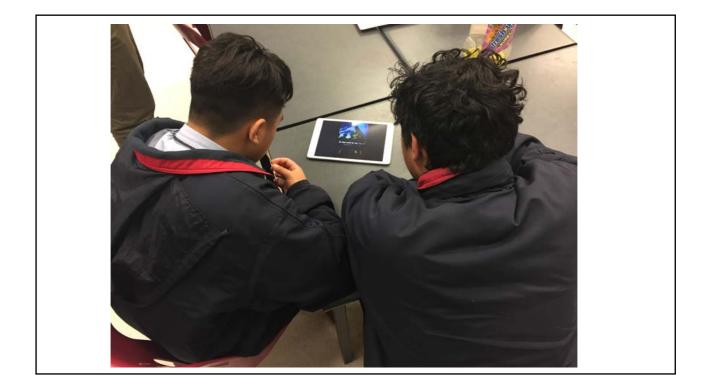


Final version

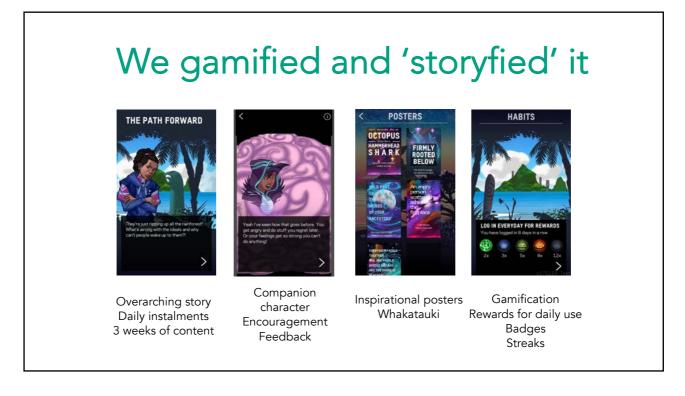








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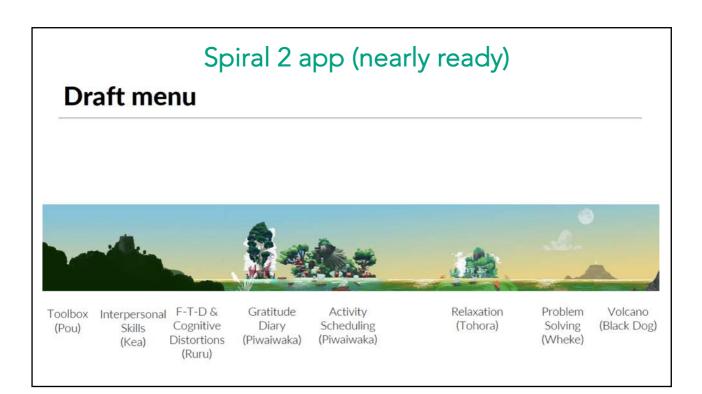


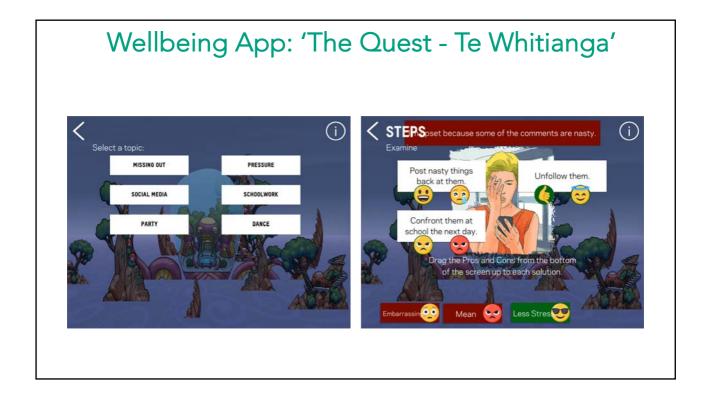


## **4 i i i j** 3) Pilot with high school teens

#### We decided to make changes for Spiral 2

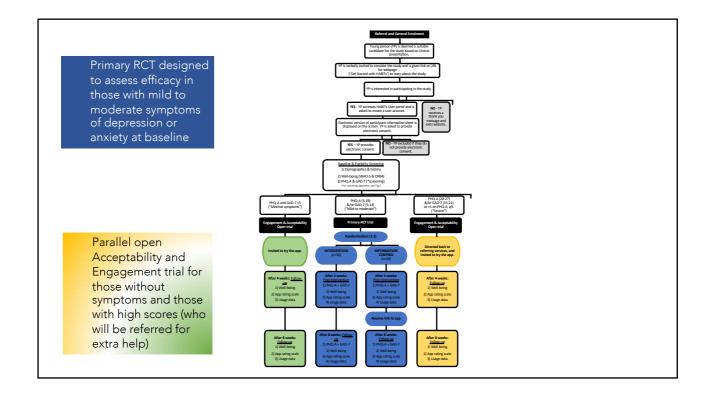
- Simplify things
- More modules (but not too many)
- Improve the 'metagame' -more humour, environmental storytelling'
- Keep some gamification (badges, points/\$, sense of levelling up)
- Focus on psychoeducation (rather than daily habit building
- Ensure better incorporation of Whare Tapa Wha in the overall design
- Target younger adolescents (Year 8/Year 9)
- More customisation and choice (e.g. avatar)
- Android, iOS, Chrome books, tablets





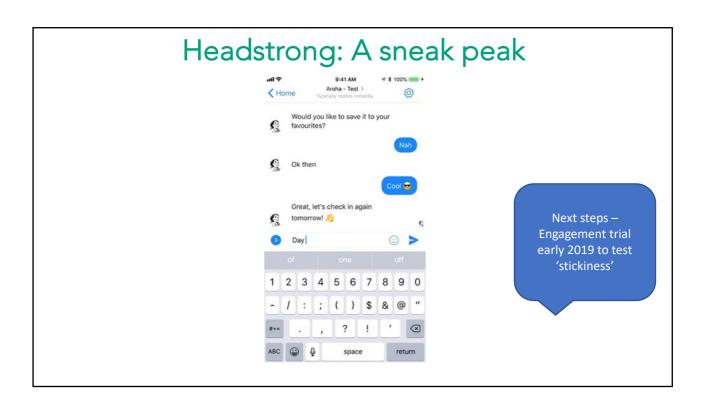
#### Next steps

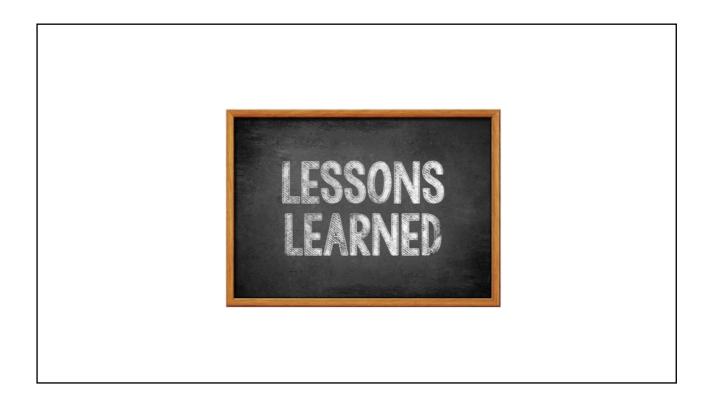
- "Rapid RCT" (Jan to June 2019)
- n=100 (50% Maori and Pacifica) adolescents 11-16 year old
- Help seeking or identified as needing extra support
- App vs Attention Control (control get App after 4 weeks)
- Multi-site (schools, youth one stop shops, health organisations)
- Approaching ethics for approval to do a fully ONLINE study (including consent)











#### What we learned along the way

- Co-design is resource & time intensive
- Co-design can give you a 'whip-lash'
- Co-design may NOT give you the best answer
- Young people are a discerning & media savvy audience
- Make some (critical) decisions yourself
- Work closely with a software developer
- Hedge your bets
- Prepare to fail (and if so, do it early)
- Keep iterating
- Keep it simple

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MINISTRY OF BUSINESS, INNOVATION & EMPLOYMENT HĪKINA WHAKATUTUKI

