Computer vs. human

Adolescents in Alternative Education contrast cCBT and face-to-face therapy

Fleming T^{1,2} Stasiak K² & Merry S²

1 Te Herenga Waka | Victoria University of Wellington, 2 The University of Auckland Contact terry.fleming@vuw.ac.nz

Background

SPARX is a computerised Cognitive Behavioural Therapy (cCBT) program for depression. It utilizes a bicentric frame of reference and gamification (1). SPARX has been reported to be appealing (2-4) and to be as effective as treatment as usual for young people with depression (2).

In New Zealand, **Alternative Education** (AE) refers to small schools for 13-16 year olds who have been excluded or alienated from mainstream education, and who are considered unable or unwilling to attend mainstream schools. Students in AE have high rates of depression, suicide, substance use, problem behaviour and family and school difficulties.

We carried out a randomized controlled trail of immediate compared to delayed SPARX, with 44 adolescents in AE. Results for those with depression have been reported (5). Semi-structured interviews were carried out with participants after they had had the opportunity to complete SPARX. Many participants contrasted their experience of SPARX with previous experiences of face-to-face therapy.



Method

Content analysis of semi-structured interviews with 39 adolescents (30 with symptoms or depression at baseline; 24 males; 15 Māori; 12 Pacific Island; all 13-16 years). Interview content where participants compared cCBT to face-to-face therapy was analyzed using a general inductive approach.





Results

Young people highlighted that cCBT is a very different experience from face-to-face therapy:

Talking about feelings is too intense

It can be awkward, people studying you in counselling and it goes on too long.

It's hard to talk to adults, too intense.

This [computerised therapy] is less intrusive than therapy.

The computer is empowering

SPARX tells you the info and lets you figure out how to do it. You have more control and are more hands on.

Its less complicated than going to a counsellor and having to blurt out how you feel each week. You have more control.

[with computerised therapy] you can go at your own pace.



Results contin

Telepresense

The Guide was on to it... it felt personal, you know, like he was talking to you, like you got to know him.

The Bird of Hope is always there to help you. It was like having an angel.

Different reasons for adherence

A counselor is more compelling to come back to 'cause they will call you, send appointments. But I did come back 'cause I wanted to see what happened.

The computer is easy to learn from

I liked the shield [against depression], I was trying to remember that stuff, it helped.

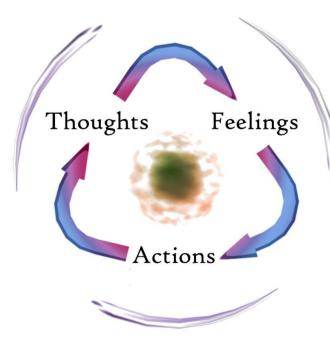
Before I have been told about this [skill], but not shown. This makes it easier to learn.

Other themes included the computer program being more convenient, less judgmental but also less responsive to personal needs than a face-to-face therapist. Young people were clear that **preferences vary** and young people should have choices available to them

It is a different way. It offers an option that will suit some.

Conclusion

Computerised CBT and face-to-face therapy should not be considered the same. Opportunities to utilize the strengths and address the weaknesses of computerised therapy and the importance of personal preferences should be considered.



References

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