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# AUSTRALASIAN **PSYCHIATRY**

Enhancing an online cognitive behavioural therapy intervention for depression: Harnessing the feedback of sexual and gender minority youth to help improve SPARX Australasian Psychiatry 2023, Vol. 31(3) 247–254 © The Royal Australian and New Zealand College of Psychiatrists 2023



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#### **Abstract**

**Objective:** SPARX is an online cognitive behavioural therapy self-help intervention for adolescent depression provided in serious game format. Since 2014, it has been freely available in Aotearoa New Zealand (NZ) due to funding from the NZ government. In 2020/21, feedback from sexual and gender minority youth (SGMY) was used to refine and update SPARX.

**Method:** Three online focus groups and follow-up email consultations involved 12 SGMY (16 to 25 years old) in NZ. A general inductive approach was used to analyse data.

**Results:** SGMY had specific needs as well as preferences and four themes were identified: attend to our contextual realities; portrayals of sexual and gender minority people in games; envisaged ideals for serious gaming and appraisals of SPARX. SGMY feedback was used to improve SPARX for this unique population, with the updates launched in October 2021.

Conclusions: SGMY are underserved in terms of their mental health needs. Refining or tailoring existing interventions proffers a potential way forward in terms of addressing these needs.

**Keywords:** bisexual, depression, gay, lesbian, transgender

sexual minority (e.g. lesbian, gay and bisexual) youth are at an increased risk of depression, <sup>1</sup> with gender minority (e.g. transgender/trans) youth having particularly high mental health needs. <sup>2</sup> Unfortunately, sexual and gender minority youth (SGMY) are frequently stigmatised and mistreated and, as a result, they are more likely to experience compromised mental health. <sup>3</sup> Limited intervention options specific to SGMY are available; <sup>4</sup> however, prior research indicates that these young people value the online delivery of psychological supports for their mental health. <sup>4</sup> One such online intervention, SPARX (Smart, Positive, Active, Realistic, X-Factor thoughts) is provided in serious game format; it has been

used by over 9000 adolescents and evaluated amongst SMGY for almost a decade.<sup>2,5</sup> Serious games (in brief, digital games for health, education or another 'serious' purpose) may be useful for increasing the reach and impact of online interventions given the popularity and non-threatening nature of games.<sup>6</sup> However, results to date indicate that this seven-module online

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cognitive behavioural therapy intervention should be refined with SGMY in mind.  $^{4,5}$  SPARX has been made freely available in Aotearoa New Zealand (NZ) since 2014 with 2.3% of its users (n=207) identifying as transgender.  $^2$  In 2020, funding from the NZ Ministry of Health was obtained to update the intervention. As part of the co-design work associated with this upgrade, we obtained additional funding and sought the input of SGMY. In this small qualitative study, we asked SGMY to draw upon their experiences of SPARX, and computer games more generally, to consider:

 In which ways should a serious game for mental health, like SPARX, be refined so that it better meets the needs of SGMY?

#### **Methods**

The consolidated criteria for reporting qualitative research  $(COREQ)^7$  has informed this study's write-up.

#### Sample and data collection

Participants were recruited via a staff member that was known to them from a SGMY organisation in NZ, whereby staff posted online messages about the study and those young people that expressed an interest in it were sent additional information. This information included online promotional material about the study, and this was sent to those aged 16–25 years old that were keen to take part. The participants were from one of two SGMY organisations based in major cities. However, they came from a range of locations in the North Island of New Zealand.

#### **Ethics and consent**

Ethics approval was granted by the Health and Disability Ethics Committee in NZ. All participants provided written informed consent prior to taking part in the study.

#### Focus groups

Three online focus groups (N = 12) consisted of ten participants aged 16–19 years and two participants aged 20–25 years; all participants were SGMY (see Table 1). Focus groups comprised of the participants (in private spaces in various locations) and ML, who facilitated all the sessions. These groups lasted between 59 and 65 minutes. A semi-structured format (questions available from the corresponding author) was used. Initial questions (and prompts) focused on participants' experiences of games generally and then (after a short demonstration of SPARX) questions about this serious game, for example:

• Do you play computer games, if so, which ones [prompts – examples of games on smartphones, games played alone versus with others and well-known games versus those not so many people know about]?

• Have you used the program called SPARX? If yes, what did you think of it? If no, would you consider using a computer/digital program to help you if you were feeling stressed or low?

Subsequent questions focused on more specific details, for instance, if participants could change only one thing in relation to SPARX for SGMY, what it would be. After the focus groups, participants provided feedback via email regarding the game development company's prototypes or planned refinements for SPARX.

The facilitator (ML), who is based in the United Kingdom, is an academic experienced in clinical and group-based youth mental health work. The participants had not previously met ML, but they were aware that he was a co-developer of SPARX. They also knew ML is a gay male and gender role non-conformer, and participants seemed at ease knowing this about him. Focus groups were audio-recorded and professionally transcribed. Basic field notes were taken.

#### Data analysis

We used a general inductive approach (GIA) for data analysis. GIA is a method of content analysis which seeks to build understandings from participants' comments on a specific research question (or questions) as opposed to testing pre-existing hypotheses. The transcripts were read with the research question in mind. ML read and re-read the transcripts and identified lower order units of meaning which were then clustered with similar units. Units were reduced to address overlap and redundancy among the categories before the final themes and subthemes were agreed. A preliminary summary of results was sent to participants.

#### Results

Twelve SGMY participated, and a further potential participant wanted to take part but could not do so given the timings of the focus groups. Almost all (10/12, 83%) identified as gamers and two-thirds (8/12, 67%) had used SPARX. The remaining participants (4/12 – all in Focus Group 3) who had not used SPARX engaged with the short demonstration of the program during their focus group. Table 2 summarises the results of the focus groups.

#### Discussion

Building on earlier work, we had the opportunity to enhance SPARX, in consultation with SGMY. Prior research has already focused on improving the intervention for Māori users [e.g.<sup>9</sup>], and exploratory research has begun amongst young people that have a long-term physical health condition.<sup>10</sup> However, feedback from SGMY suggested that the intervention be updated as it was 'old fashioned'. Participants also provided specific ideas about how SPARX could be made more acceptable to SGMY. Focus group findings and follow-up email consultations

	Pseudonym Age range	Age range	Ethnicity	Gender (pronouns) and sexuality <sup>a</sup>	Plays computer games Have used SPARX	Have used SPARX
		-66				
Focus Group 1 Dahlia	Dahlia	20–25 years old	NZ European	Female <sup>b</sup> (she/her) and pansexual	Yes	Yes
	Bella	16-19 years old	NZ European	Nil response (she/her) and nil response	No	Yes
	Cobi	16-19 years old	NZ European	Nil response (they/them) and stated 'other'c	Yes	Yes
	Drew	20-25 years old	European heritage <sup>c</sup>	Non-binary (they/he) and stated 'other'c	Yes	Yes
Focus Group 2	Carter	16-19 years old	European heritage <sup>c</sup>	Trans (they/them) and queer	Yes	Yes
	Rylee	16-19 years old	Asian heritage <sup>c</sup>	Male <sup>b</sup> (he/him) and mostly heterosexual	Yes	Yes
	Nat	16-19 years old	Maori and NZ European	Non-binary (they/them) and gay/lesbian	Yes	Yes
	Keegan	16-19 years old	NZ European	Male <sup>b</sup> (he/him) and bisexual	Yes	Yes
Focus Group 3	Kylie	16-19 years old	NZ European	Female <sup>b</sup> (she/her) and bisexual	Yes	No <sup>d,e</sup>
	Evelyn	16-19 years old	NZ European	Female (she/her) and 'other' <sup>c</sup>	Yes	Noe
	Kim	16-19 years old	NZ European	Agender (they/them) and 'other' <sup>c</sup>	No	Noe
	Blake	16-19 years old	Maori and NZ European	Male (he/him) and gay	Yes	No

<sup>a</sup>Some participants did not answer certain questions in the demographic questionnaire.

<sup>b</sup>Participants' gender was different from their sex assigned at birth.

<sup>c</sup>To protect the identity of the participant, we have deliberately avoided providing further elaboration.

<sup>d</sup>Had not used SPARX but in the past had been recommended it.

<sup>e</sup>Had not used SPARX but had heard of it and engaged with demonstration.

Attent to our contextual realities Soxual and genetic minority people are Participants in their day-to-day (wes, and while) gaming, recognised sisses to do with SGMY being hidden away or stigmented monthly because it seems to see any other three for several and protect minority presence and you seem to several and monthly research and periode minority lesses its service. At several and periode minority people are particle with a fact. "And Kyle sate," it is relatively uncrommen to face assumed and periode minority persence and period a game where being trains is an option." Wegative reactions to a sexual and himmalisation of negative messages and the call in manifest the monthly measure and general minority persence and general minority persence and period at game where being train is an option. Which is sever more than the supplies of the several people on the street being train is an option. A which it is very more than the people of the several people on the street being train is an option. It is the people on the street being train is an option. A which it is very more to a sexual and game in demand somether in people of the sexual and general minority people are presented in gaming. "A which is very more that it is a third thornward to a large and the sexual and general minority people are presented in games, and general minority people are presented in games and general minority people are presented in games. It is sexual and general minority to call you a personal people on the state of the sexual on general and general minority people are presented in games and general minority people are presented in games and general minority in the sexual people and stati and general minority to general sexual and general minority to general sexual people general sexual people general minority in the sexual people general minority in the sexual people general sexual people general minority general. The people general general minority is and general people general general general general general general general genera	Table 2. Summary of focus group results	oup results	
Sexual and gender minority people are hidden away or stigmatised gender minority presence  Internalisation of negative messages  Games and gaming are valuable  Minorities are under-represented  Depicted badly or negatively  Gaming done well	Major theme	Associated sub-themes	Descriptions and examples from the data
Negative reactions to a sexual and gender minority presence  Games and gaming are valuable  Minorities are under-represented  Depicted badly or negatively  Gaming done well	Attend to our contextual realities		Participants in their day-to-day lives, and whilst gaming, recognised issues to do with SGMY being hidden away or stigmatised. For example, Cobi noted attitudes in a gaming context where 'we can't show that, that's gross, ew, men being gay' Whilst Rylee stated 'because rainbow [i.e., sexual and gender minority] erasure is very real, it is a thing that we struggle with a lot' and Kylie said: 'it's relatively uncommon to find same sex couples in games and I don't
Internalisation of negative messages  Games and gaming are valuable  Minorities are under-represented  Depicted badly or negatively  Gaming done well		Negative reactions to a sexual and gender minority presence	think I've ever played a game where being trans is an option'.  Negativity occurred in real life and whilst gaming. For instance, Evelyn mentioned 'Like it is very much still normalised, homophobia, and we live in [small city in the North Island] and I've still experienced people on the street being like, you're wearing something rainbow, oh my God, I'm going to call you a slur' Drew noted in gaming: ' which is yery much dominated by cishet
Games and gaming are valuable  Minorities are under-represented  Depicted badly or negatively  Gaming done well			[cisgender/not transgender heterosexual] white guys, who at even the slightest sniff of change in representation in games [i.e., sexual and gender minority inclusion]they just lose it.  Tragic' ways in which sexual and gender minority people are presented in games (and elsewhere) can result in a young person believing 'oh, I'm different, oh, I have so much hardshipit just makes people feel bad that being any different is bad, like just gender, bigender or whatever, like just heing cure in general '(Cohi) Or Kim noted'. Ilke Janay a lot of ray people and stuff are
Minorities are under-represented  Depicted badly or negatively  Gaming done well		Games and gaming are valuable	like, some of their immediate thoughts when they're just realising it, it's like, oh gosh, I'm not normal, or, it's not okay, I'm not going to be accepted'  Amongst participants (10/12 described themselves as gamers) gaming was important for a range of reasons. For Bella, it was a valuable distraction ' I use gaming as a, here's a fun thing to make you stop thinking about all the bad things' Or Carter found a particular game that is 'really
negatively	Portrayals of sexual and gender minority people in games	Minorities are under-represented	Important as itis a really happy and relaxing thing. Whereas Evelyn hoted I find playing [games] with a group of friends helps [to create safer environments].  Participants noted that games in general do poorly in terms of representation (e.g. exclude people with disabilities), as Drew mentioned ' minorities are still very under-represented [in games]'  When sexual and nender minority neonle are included this is often tokenistic such as ' inst
			having a footnote on a character's bio that they're trans [transgender]' (Dom).  When depicted, portrayals are frequently done 'really badly', as Carter noted as an example from a game: 'but it's quite sad, especially like there's a trans [transgender] boy in it and his entire pain comes from being transso it's representation but it's sad representation'. When included, it's often stereotypically so, as Bella noticed in 'we don't have representation, or you get games.
		Gaming done well	that are entirely focused on that and then' - Cobi interjects: They have the openly effeminate guy'.  Participants also cited examples of gaming done well, such as The Sims, Journey and Dream Daddy. Dahlia explained: 'Call of Duty: Cold Warhas an option to have your character use they/ them pronounsit's very open and inclusive'. Drew highlighted: 'look at indie [independently developed] games made by queer developers you can find some absolutely wonderful games that are very much orientated around being a queer person'

Table 2. (Continued)		
Major theme	Associated sub-themes	Descriptions and examples from the data
Envisaged ideals for serious gaming	Move beyond the binary	Options beyond a male/female binary are recommended in games: 'I don't like them [the avatars in SPARX]! One of them is very like, I'm a man, and one of them is like, I have boobs, I'm a woman. I wish things were a bit more androgynous I guess' (Cass) and 'get rid of having two avatars [i.e., in SPARX] and just give options to change certain parts of the avatar' (Carter). Or as Kylie recommended: 'Just make it a bit more accessible to give more masculine body shapes a dress or more feminine body shapes a suit just so you can create characters that fall in between a bit more.'
	Abilities to explore and make sense of gender (or sexuality)	Opportunities for exploration were recognised as important, as Rylee noted:a big part of beingthis minority [i.e., SGMY] is that you constantly change, you learn new information and you constantly change. For instance, being able to pick and change gender pronouns allowed for exploration:if the pronouns were used and they were able to be changed, then it's a cool way for trans people or questioning people or anybody like that to try out pronouns without having to
	Contemporary gameplay and experiences expected	endanger themselves or do anything else' (Keegan). Serious games like SPARX should be 'updated', technical issues need to be addressed (e.g. 'I could barely play it on my phone' Cobi) and serious games should compare well to commercial products. As Dahlia noted:I felt that [SPARX] was a bit too short for what I feel like people who engage in games would be expecting to play' And Rylee explained: 'games need to be more interactive with the person, because for games like first-person shooter games like Call of Dury, it's constantly want salking with your other mates.
Appraisals of SPARX	Format and approach of SPARX problematic	Participants noted issues to do with the format and approach adopted in SPARX, such that there was too much text/reading in SPARX: "I just came across the breathing technique [in SPARX] and I think having it as a text just is a very ineffective way to show it off (Nat). Cobi stated: "it's just the mechanics are confusing, it's a bit cliché as well, because the first level is like a chest which says, hope lies within, and then a bird called Hope comes out and then someone's like oh is that the Hone bird. I thought we had lost it!
	SPARX should be more inclusive	Inclusion issues were identified regarding SPARX, with Cobi saying: 'the game doesn't feel really inclusive because most of the people are just skinny and light skinned'. Body-size issues were also reinforced by Kim: 'Yeah, like body types, like from what I've seen they're all really skinny and not everyone's skinny!' However, a Māori participant (Blake) noticed: 'it's quite cool because it's like Māori and they have on some of the avatarsthey have like designs and the
	SPARX can be appealing	There was no clear consensus in terms of SPARX's appeal, as some participants did not find it engaging or anticipated that it would only be useful after it was sufficiently updated and modified. However, several participants did think SPARX was appealing. As Carter said: 1 think overall it's a really good way of giving people the techniques to listen with stuff that they've got going on and I acknowledge that it's not meant to be like a therapist'.

after the focus groups led to several changes being made to create the updated version of SPARX (see Table 3 and Figure 1 for details).

Earlier work has already investigated the importance of identity-affirming avatars in gaming for gender minority youth. Similarly, we also found that games can provide valuable opportunities for young person to explore their gender identity, and yet gaming often constrains diverse gender expression, an issue that can be overcome with enhanced customisation options. We have attempted to address some of the issues raised by SGMY but did not have sufficient funds to address these issues as fully as we would have liked.

Strengths of this study include using an established qualitative method to help improve a freely available

evidence-based psychotherapy together with SGMY an underserved population. Notable limitations include this being a small-scale exploratory study which only recruited from SGMY-specific organisations. ML, who facilitated the focus groups, is part of the development team that created SPARX and participants knew this, and as a result, some participants may have felt inhibited to express criticisms of the program. Recruitment was challenging, as is often the case for studies focused on this unique population <sup>12</sup> and even more so during a global pandemic. We attempted to include intersex young people, given earlier SPARXrelated work identified their elevated mental health needs, 13 but unfortunately, we were unsuccessful in this endeavour. Ideally, more online focus groups would have taken place; however, given the

Recommendations from SGMY	An existing feature of SPARX	Changes funded by NZ Ministry of Health	Changes funded by current study	Changes not possible for the updated version
Specific suggestions about SPAF	RX's avatar			
Move beyond the binary			✓	
solution – an androgynous option)				
Customisation options the same	/			
regardless of avatar selected				✓p
Ability to change the gender of the avatar once selected				<b>V</b>
'Gender slider' (from a very				<b>∠</b> b
feminine to very masculine avatar)				•
Enhance diversity so the avatar				✓b
can be made 'plus-sized'				•
Select avatar's pronouns (e.g.,			✓	
she/her or they/them)				
Specific suggestions about SPAF	RX's gameplay			
Ability to reload (or replay) levels/		✓		
modules in SPARX				
SPARX to be 'polished' (e.g.		✓		
update the graphics)				
Create SPARX minigames that				✓
aren't just fighting 'Gnats'				
Make SPARX a multiplayer game		,		✓
Make SPARX work better on phones (and other devices)		<b>√</b>		
Make SPARX easier to download		1		
and access)		V		
Reduce dialogue and make it 'less		/		
like reading from a book'		·		
Enhance the game controls (e.g.				✓
ability to use a mouse)				



Figure 1. New avatar (in addition to the 'male' and 'female' options previously available in SPARX). Image used with permission of the copyright owner © Auckland UniServices Limited.

potential issues related to research fatigue associated with marginalised populations <sup>14</sup> and the time pressures to launch the updated version of SPARX, this was not possible. Despite these factors, this study is worthwhile because it has sought to listen to the voices of a marginalised group so that SPARX better meets the needs of SGMY; this listening to underserved populations is an important initial step towards a necessary process of change. <sup>15</sup>

#### Conclusion

SGMY are more likely to experience mental ill-health and interventions such as SPARX can make a difference to their wellbeing. We have demonstrated that SGMY have valuable insights and perspectives which can help enhance the acceptability of tools such as SPARX for SGMY. It is important to respond to the needs of SGMY, and this can be done by better tailoring 'mainstream' interventions. Ongoing monitoring of the uptake of SPARX will be useful to establish if we have increased engagement in terms of this group and other important underserved populations (e.g. Māori rangatahi/adolescents and young people with long-term physical health conditions).

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#### Declaration of conflicting interests

The author(s) declared the following potential conflicts of interest with respect to the research, authorship, and/or publication of this article: The intellectual property for SPARX is held by UniServices at the University of Auckland. Any proceeds from licensing or selling SPARX outside of New Zealand will be shared in part with UniServices and ML, KS, TF, MS and SM.

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#### Ethics and consent

Ethics approval was granted by the Health and Disability Ethics Committee in New Zealand (Reference number: 15/NTB/183). All participants provided written informed consent prior to taking part in the study.

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#### References

- Lucassen MFG, Stasiak K, Samra R, et al. Sexual minority youth and depressive symptoms or depressive disorder: A systematic review and meta-analysis of population-based studies. Australian & New Zealand Journal of Psychiatry 2017; 51: 774–787.
- Lucassen MFG, Stasiak K, Fleming T, et al. Computerized cognitive behavioural therapy for gender minority adolescents: Analysis of the real-world implementation of SPARX in New Zealand. Australian and New Zealand Journal of Psychiatry 2021; 55: 874–882.
- Meyer IH. Prejudice, social stress, and mental health in lesbian, gay, and bisexual populations: Conceptual issues and research evidence. Psyc Bulle 2003; 129: 674–697.
- Lucassen MFG, Samra R and lacovides I, et al. How LGBT+ young people use the internet in relation to their mental health and envisage the use of e-therapy: Exploratory study. JMIR Serious Games 2018; 6: e11249.
- Lucassen MFG, Hatcher S, Fleming TM, et al. A qualitative study of sexual minority young people's experiences of computerised therapy for depression. *Australasian Psychiatry* 2015; 23: 268–273.
- Fleming TM, Bavin L, Stasiak K, et al. Serious games and gamification for mental health: Current status and promising directions. Frontiers in Psychiatry 2017; 7: e215.

- Tong A, Sainsbury P and Craig J. Consolidated criteria for reporting qualitative research (COREQ): a 32-item checklist for interviews and focus groups. *Int J Quali Health Care* 2007; 19: 349–357.
- 8. Thomas DR. A general inductive approach for analyzing qualitative evaluation data. Am J Evalu 2006; 27: 237–246.
- Shepherd M, Fleming T, Lucassen M, et al. The design and relevance of a computerized gamified depression therapy program for indigenous Māori adolescents. *JMIR Serious Games* 2015; 3: e1.
- Thabrew H, Stasiak K, Garcia-Hoyos V, et al. Game for health: How eHealth approaches might address the psychological needs of children and young people with long-term physical conditions. *Journal of Paediatrics and Child Health* 2016; 52: 1012–1018.
- Morgan H, O'Donovan A, Almeida R, et al. The role of the avatar in gaming for trans and gender diverse young people. Int J Environ Res Public Health 2020; 17: e8617.
- Lucassen MFG, Fleming TM and Merry SN. Tips for research recruitment: The views of sexual minority youth. *Journal of LGBT Youth* 2017; 14: 16–30.
- Lucassen MFG, Perry Y, Frampton C, et al. Intersex adolescents seeking help for their depression: the case study of SPARX in New Zealand. *Australasian Psychiatry* 2021; 29: 450–453.
- 14. Ashley F. Accounting for research fatigue in research ethics. Bioethi 2021; 35: 270-276.
- Shevlin M and Rose R. Respecting the voices of individuals from marginalised communities in research—"Who is listening and who isn't?". Edu Science 2022; 12: 304.