Supplementary Materials: Multimedia Appendix 6 Suggested changes to the materials and their MoSCoW categorisation

Reason for change (based on PBA)	Priority (MoSCoW)	Agreed change (if no change agreed, explain why)
tal rotation" video		
Consistent with Common Guiding Principles: to support <i>autonomy</i> and <i>competence</i> by providing another example.Useful across populations	Should have – this normally has to be re-explained and demonstrated several times in face-to-face delivery, since this is a new and specific way of playing Tetris, and also a vital part of the intervention.	No. Instead, have an option or instruction to repeat (watch again) in the future.
	 Would like – a more logical example could make it easier for participants to understand how to plan ahead better. This counter intuitive example enhances the MR. Showing that it takes a while, look at <i>upcoming block</i> first, even if there is another one falling at the same time. Better to focus on the upcoming best than the current one. 	No. The current order is suffice in that starting the MR explanation shows viewers that <i>this</i> is the focus of the game during the intervention, rather than focusing on the basic instructions first.
_	_	No. Not necessary.
		No, too specific/not necessary.
Important for behaviour change – modification is likely to impact behaviour change or a precursor to behaviour change.Consistent with Common Guiding	Must have – this is considered to be a crucial part of the intervention for it be effective.	Yes.
Principles. (autonomy, competence) Repeated by several participants.		
	tal rotation" video Consistent with Common Guiding Principles: to support autonomy and competence by providing another example. Useful across populations	tal rotation" video Consistent with Common Guiding Principles: to support autonomy and competence by providing another example. Should have – this normally has to be re-explained and demonstrated several times in face-to-face delivery, since this is a new and specific way of playing Tetris, and also a vital part of the intervention. Useful across populations Would like – a more logical example could make it easier for participants to understand how to plan ahead better. - Would Dike – a more logical example could make it easier for participants to understand how to plan ahead better. - This counter intuitive example enhances the MR. Showing that it takes a while, look at upcoming block first, even if there is another one falling at the same time. Better to focus on the upcoming best than the current one. - - - Must have – this is considered to be a crucial part of the intervention for it be effective. Consistent with Common Guiding Principles. (autonomy, competence) Must have – this is considered to be a crucial part of the intervention for it be

 Change the order of the video and start with the basic instructions first. e.g. show what the three blocks on the side mean earlier in the video. The mental rotation explanation and example should be at the very end of the video. 	Repeated by several participants. Useful across population	Would like – (Basic instructions first, people may dismiss the whole video)	No. The "mental rotation" reminder is stated at the end already.
-Add an instruction on a reminder to turn off your mobile phone notifications, and to have less distractions around you.	Important for behaviour change – modification is likely to impact behaviour change or a precursor to behaviour change.Consistent with Common Guiding Principles. (autonomy, competence)Repeated by several participants.Useful across populations	 Should have – these need to be addressed as taking breaks for example or using the hold function may alter the effectiveness of the game play. -Adding something to script like "you need to play in this particular way, for this long, fully focused, make sure you're not interrupted" 	Addressed in procedure, so will be addressed but not in video.
- Mentioned what to do if you take a break during the game, and how long you should play for.	Important for behaviour change – modification is likely to impact behaviour change or a precursor to behaviour change.Consistent with Common Guiding Principles. (autonomy, competence)Repeated by several participants.Useful across populations	 Should have – these need to be addressed as taking breaks for example or using the hold function may alter the effectiveness of the game play. -Adding something to script like "you need to play in this particular way, for this long, fully focused, make sure youre not interupted" 	Addressed in procedure, so will be addressed but not in video.
- Add an instruction on the "hold" function.	 Important for behaviour change – modification is likely to impact behaviour change or a precursor to behaviour change. Consistent with Common Guiding Principles. (autonomy, competence) 	Would like – but not crucial for this intervention.	No. This is not something that is brought up by a lot of participants and may be quite intuitive (i.e. participants can catch on to this function and do not need explicit explanation for this.)

	Repeated by several participants.		
	Useful across populations		
- Add that the game does speed up over time, but one should not rush.	 Important for behaviour change – modification is likely to impact behaviour change or a precursor to behaviour change. Consistent with Common Guiding Principles. (autonomy, competence) 	Would like – but not crucial for this intervention.	No, this is not exactly necessary for this intervention.
	Repeated by several participants.		
	Useful across populations		
- Address that points do not matter.	Important for behaviour change	Should have, this is an important part of game play for this intervention, to not	No, not in video but should be addressed in written protocol of the studies, or in
	Consistent with Guiding Principles	focus on points. Mentioning this could lead to users focusing more on using	hand-outs.
- Say in the video that this	Consistent with Common Guiding Principles	mental rotation during game play instead.	
is playing Tetris with special instructions.	Uncontroversial and easy	"not important to score, but play in this particular way" + addresses below	
special instructions.	Repeated by Several Participants	comment too	
	Useful across populations		
- Cut down on some of the long pauses in the video.			No. Perhaps this may be true for hospital staff, but for most of the target groups, the pace is appropriate. The video is also still very brief as it is.
- Annunciate this word more clearly and others a little clearer.	Consistent with Guiding Principles – explaining how to use mental rotation and plan ahead Consistent with Common Guiding	Must have at least for the word "brain" – this could make it clearer for some viewers but not necessary, since there is an picture of a brain in the video to help support this.	Yes.
	Principles – to promote <i>competence</i>		
	Repeated by several participants.		
	Useful across population		

- Audio and subtitles in	Important for behaviour change	Must have – depending on the target	Yes.
different languages should		user, this must be done in order for the	
be made and applied to the	Repeated by several participants	intervention to be effective in changing a	
video.	Useful across populations	participant's behaviour (given what we know about the evidence base).	
	Userul across populations	know about the evidence base).	
"How to play Tetris with mer	ntal rotation" quiz		
- Change the first option	Consistent with Guiding Principles	Must have – this should be changed so	Yes.
with something else as this	(being able to identify the main objective	that users will not be confused and the	
is also technically correct,	of the game)	correct answer, which touches on using	
even though this is not the		mental rotation and planning, is further	
main goal of this intervention.	Consistent with Common Guiding Principles (to promote competence)	emphasises as the correct answer.	
	Times (to promote competence)		
	Repeated by several participants		
	Uncontroversial and easy		
	Useful across populations		
- Add "planning in the	Important for behaviour change	Must have – adding this phrase may	Yes.
mind's eye" to one of the		help users engage more in the quiz, as	
options, to the relevant quiz	Uncontroversial and easy	they may remember this phrasing from the video and then select the correct	
question.	Useful across populations	answer based on this.	
	Userui aci oss populations	answer based on tins.	
- Remove the mouse figure.			No. It would be more work to remove it. It helps to add a motivational and personal aspect to the videos, something that does need to be compensated for in digital interventions
"What are Intrusive			
Memories" video			
- Clarify this example more,	Repeated by several participants.	Must have – it could add to the clarity of	Yes.
perhaps by drawing a red		the visualisation but would not be likely	
puddle instead.		to impact behaviour change or	
	Uncontroversial and easy (still animation)	understanding of the content of the video.	

		-maybe drops and small puddle, clearer. Should not be too "simple" but also not traumatising.	
- Add that intrusive memories come without warning, involuntary, or use some simpler language like this.	Important for behaviour change to address this. Uncontroversial and easy	Must have – need to know what intrusive memories are, and word <i>involuntary</i> nicely and briefly describes them	Yes.
- Clarify dissociation and reexperiencing more. This may not be relevant for intrusive memories, where it says in the video, "it can feel you're back in the situation", these are not a part of intrusive memories?			No, as they are not the target symptoms for this intervention, but these symptoms plan on being mentioned in other materials, such as general psychoeducation on psychological trauma.
- Add something that normalises intrusive memories, such as "they are really common to experience after a traumatic event"	Consistent with Common Guiding Principles – provide a sense of relatedness. Useful across populations	Could have – would be useful, but not critical for behavioural change. Convey somewhere else perhaps. Normalization more for psychoeducation	Not at this time, but in supplementary materials that are group/study specific.
- Add that intrusive memories can appear even without triggers you are aware of.	_	_	No. Too complex for this video.
- Add that intrusive memories can be short and fragmented	Consistent with Guiding Principles (to be able to identify what an intrusion is) Consistent with Common Guiding Principles – <i>competence</i> , that this is something the counts as an intrusion and should be recorder in the diary. Useful across populations	Would like – Animation shows a piece of memory	No. Another video will be made for diary, will keep that in mind though.
- Emphasise vividness of memory example by changing their colour gradient or make the memory appear in different levels of transparency.	Repeated by several participants.	Would like – it could add to the clarity of the visualisation but would not be likely to impact behaviour change or understanding of the content of the video – as it is already state they can be vivid.	No, it is already mentioned.

		(without changing script, just animation)	
- Add more on how examples distressing intrusive memories can be, and the physical symptoms one can feel, such as a stomach ache, when experiencing intrusive memories.	Consistent with Common Guiding Principles – sense of <i>relatedness</i>	Would like – not needed to support behaviour change, but could be useful if time and resources allow.	No, physical symptoms often go along with distress.
- Include more tailored trauma examples by animation, and/or naming some common examples based on previous study	Consistent with Common Guiding Principles – sense of <i>relatedness</i> Repeated by several participants	 Should have – would be useful, but may not impact behavioural change. In other study materials, should address more population specific things but not 	No, not enough time to address this change. But a good consideration for the future, and/or perhaps in other supplementary materials, (e.g. as part of the recruitment flyer or other information
 populations. Emphasise fleetingness of memory example, by making them appear very quickly and then disappear. Sync the audio with the animations more. 		in the video/script. —	materials.) No. It is enough with what is in the script perhaps (review this though, as this comes up in later on again)
- Change the work example to something more generalisable and relatable, such as working on a computer.	Consistent with Common Guiding Principles – sense of <i>relatedness</i>	Would like – not needed to support behaviour change, but could be useful if time and resources allow	No, because this work example is quite universal actually. Whether one is studying, or even just doing chores one may have to write things down.
- Add more on dissociation. For example, that some people may dissociate when playing Tetris during the intervention, or at other times.	Important for behaviour change Consistent with Guiding Principles Consistent with Common Principles	Should have – important, at least for those who have reported to experience this while playing Tetris. May be able to address this in a flyer/website/during check ins instead of including in the video.	No, other materials, very population/user specific.
- Add more specific examples for how intrusive memories can disrupt one's concentration. For example, that they can when one is studying.	Consistent with Common Guiding Principles – sense of <i>relatedness</i>	Would like – would make it more useful perhaps and relatable for student participants, but not necessary.	No. The current examples are broad enough. Students would get additional information as part of lab study. And the video already addresses concentration.

- Clarify more between	Consistent with Guiding Principles –	Must have – this is important for users	Yes.
what is rumination and	to identify intrusions	to be able to determine what should be	
"thinking it over", and		recorded as an intrusion and what should	
intrusive memories. For	Repeated by several participants	not be recorded in their diaries.	
example, also add that they			
does not include evaluative	Useful across populations		
thoughts such as, "why did			
this happen to me?" nor			
thinking, "what could I have			
done differently?", nor			
going home and describing			
the memory to another			
person.			
- Show more distress in the	Consistent with Common Quiding	Would like not needed to surrent	No. Not paeded Guiding principle
	Consistent with Common Guiding	Would like – not needed to support	No. Not needed – Guiding principle
character's face, for other	Principles (sense of relatedness)	behaviour change.	positive experience, don't want it show
target groups.	T 4 4 6 1 1 4 1		too much distress.
- Add bullet points of the	Important for behaviour change	Should have - having bullet points in the	No, this can be supplemented in other
key phrases at the end of the		recap at the end could make it easier for	ways (i.e., as a hand-out) rather than
video.	Consistent with Guiding Principles	viewers to understand the main take-	editing the video.
	(being able to identify intrusions)	aways of the video. It would be nice to	
		see these bullet points along with the	
	Uncontroversial (but maybe not easy)	animation, but if this is not possible than	
		it can be included in other supplementary	
	Useful across populations	information, such as a flyer.	
- Speed up the pace at times,	Repeated by several participants	Would like – it could be useful, but the	No, keep the current pace. The video is
and/or remove some of the		video is already brief (only 3 minutes	already quite brief. (<i>May</i> be adjusted for
long pauses in between		long) and this is population specific.	groups like hospital staff in the future)/
phrases.			S
- Take away the mouse.			No. Mouse will probably stay. See
Funce away the mouse.			previous comment regarding the mouse.
- Use the word "negative	Important for behaviour change	Should have – for non-clinical viewers,	Won't change video but, as this is group
experience" instead.	(including precursors, acceptability,	this would be a more appropriate change	specific.
experience instead.		because they may not identify as a	Instead, this can be addressed in the lab
	engagement)		
		"trauma" survivor, or may be primed by	script for the same video.
		using the word trauma, which may affect	
		their behaviour during the intervention	
		phase. This could also be implemented	
		in another way, such as stating to these	
		participants beforehand that the video	
		uses the word "trauma" which does not	
		entirely apply to them.	

- Change this option, because some users have reported that they get headaches when they have intrusions.	Consistent with Common Guiding Principles (competence, autonomy) Uncontroversial and easy Useful across populations	Must have – changing this option on the quiz would lead to less confusion for users who <i>do</i> have headaches with their intrusions.	Yes.
- Add audio to assist in answering the questions (e.g. a voice that reads the options, and assigns a colour to each option, so that the user can pick the answer without having to read text.)	Consistent with Common Guiding Principles (competence, autonomy)	Would like – too group specific.	No, as this is very specific to the individual