



SUMMARY OF RESEARCH FROM DOCTORATE ON THE DEVELOPMENT OF A SELF-HELP TOOL TO SUPPORT WELLBEING IN YOUNG PEOPLE WITH TICS

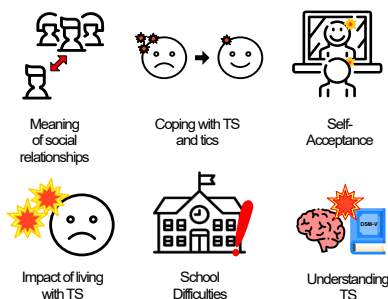
Study 1: Summary of Interviews with Young People with Tics

KEY

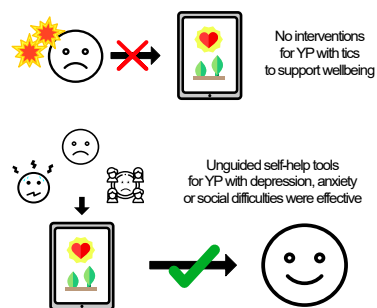
YP - Young People
 - Parent/guardian
 - Young Person
 - Tic

RATIONALE

Qualitative Review Findings:



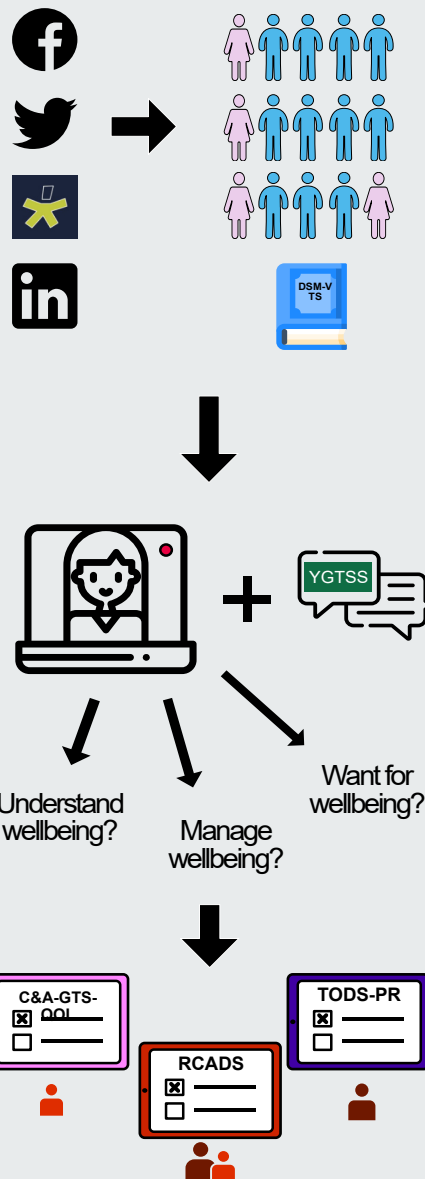
Previous Research Findings:



Research Questions

1. How do YP with TS understanding wellbeing?
2. What do YP with TS do to improve their wellbeing?
3. What would YP with TS find useful in a DHI to improve wellbeing?

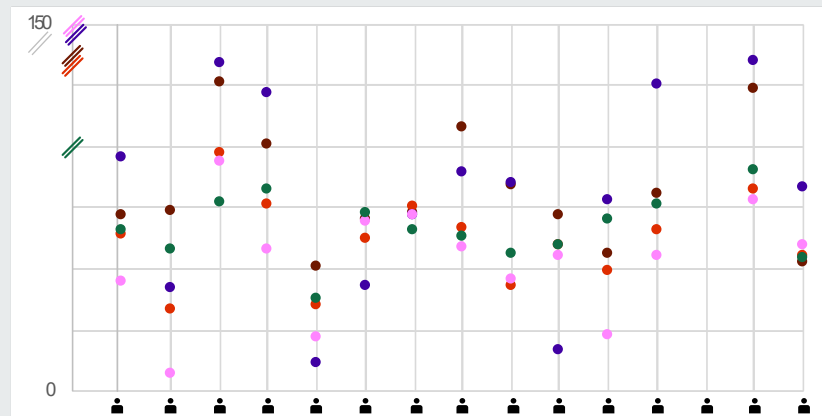
METHODS



Measures of tic-related quality of life, depression and anxiety, tic-impairment, behavioural and emotional issues.

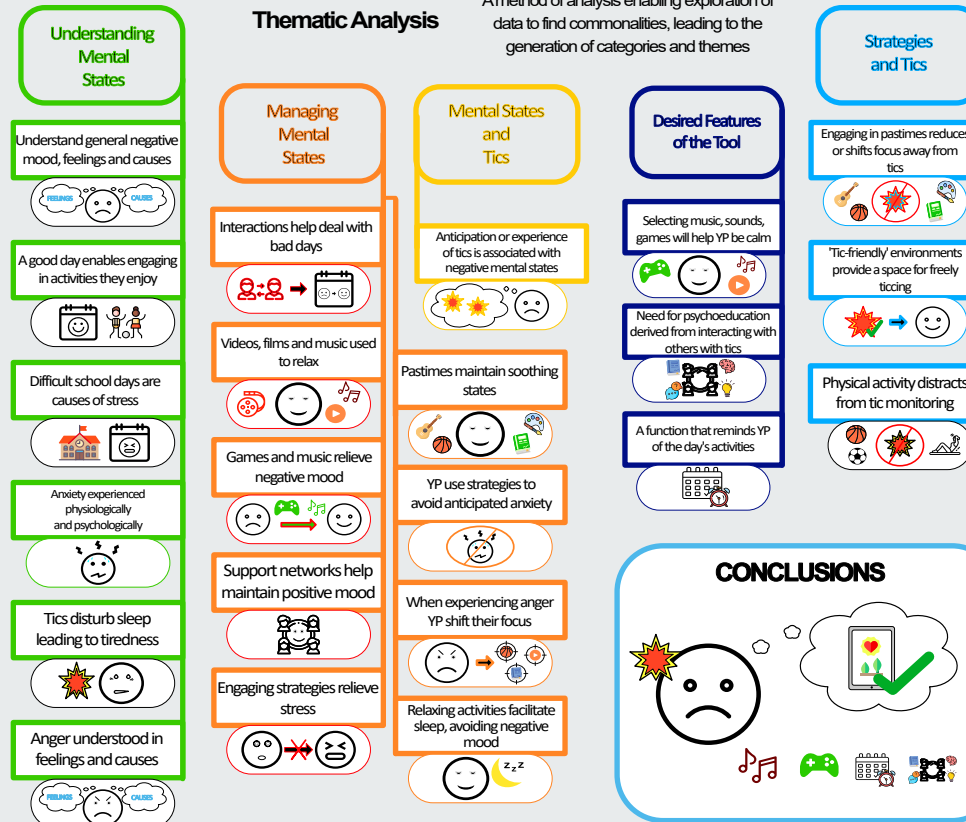
FINDINGS

Scores from the TODS-PR, RCADS and C&A-GTS-QOL

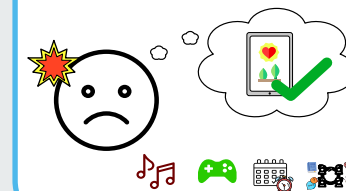


Thematic Analysis

A method of analysis enabling exploration of data to find commonalities, leading to the generation of categories and themes



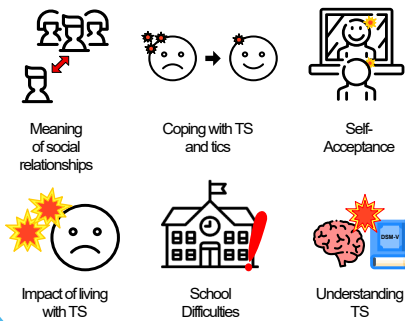
CONCLUSIONS



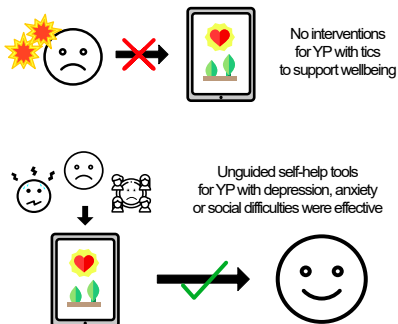
Study 2: Summary of Interviews with Professionals who work with Young People with Tics

RATIONALE

Qualitative Review Findings:



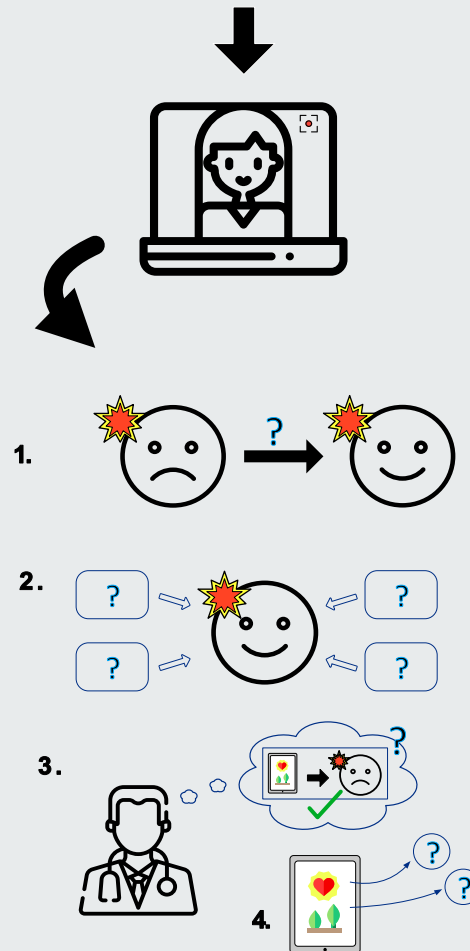
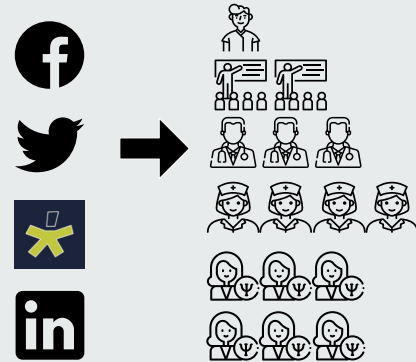
Previous Research Findings:



Research Questions

1. How do professionals perceive wellbeing in YP with tics?
2. What do professionals think determines wellbeing in YP with tics?
3. What strategies do professionals think would be useful for YP to manage wellbeing?
4. What would be important in determining whether a DHI is acceptable for professionals?

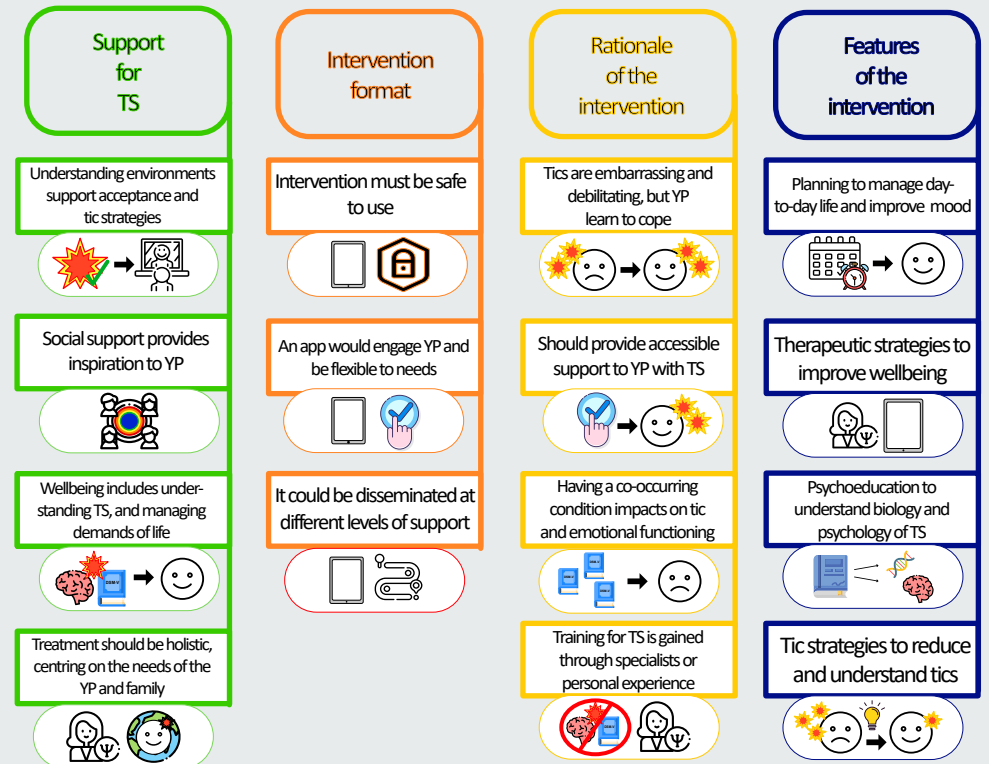
METHODS



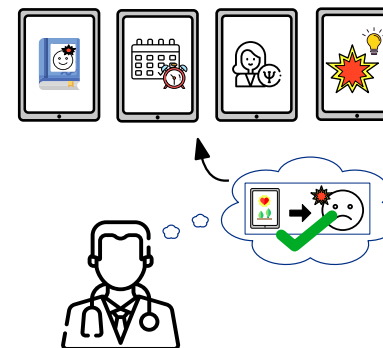
Thematic Analysis

FINDINGS

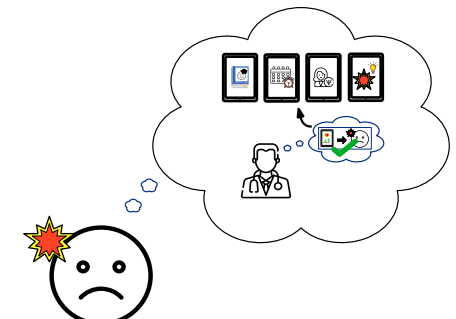
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CONCLUSIONS



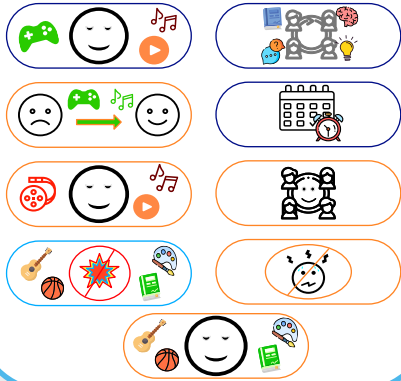
Future Research



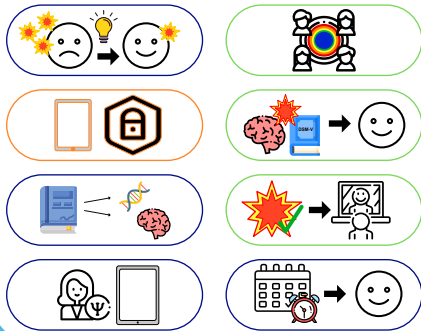
Study 3: Summary of Focus Groups with Young People with Tics and their Parents

RATIONALE

YP Interview Findings



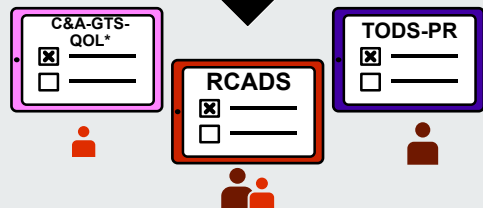
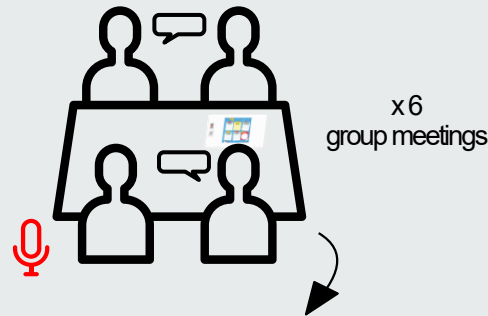
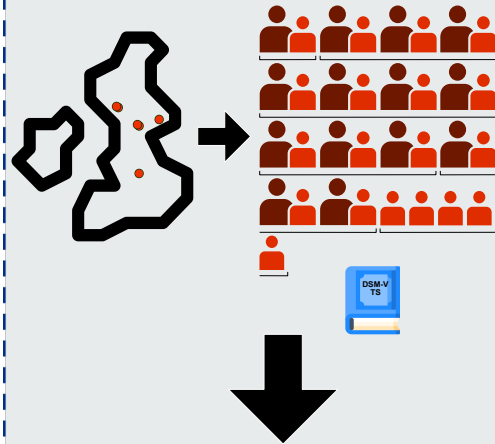
Mental Health Professional Interview Findings



Research Questions

1. Do YP and parents support the previously proposed features?
2. How do YP and parents think the features should look?
3. What are YP and parents experiences of living with tics?

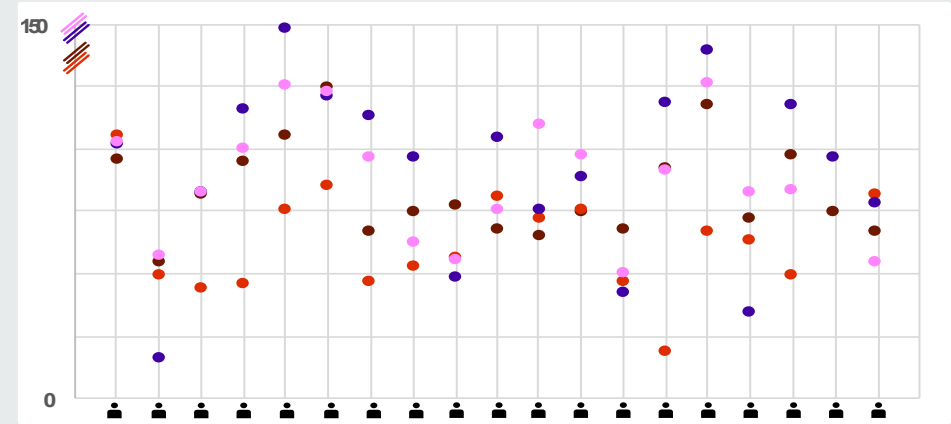
METHODS



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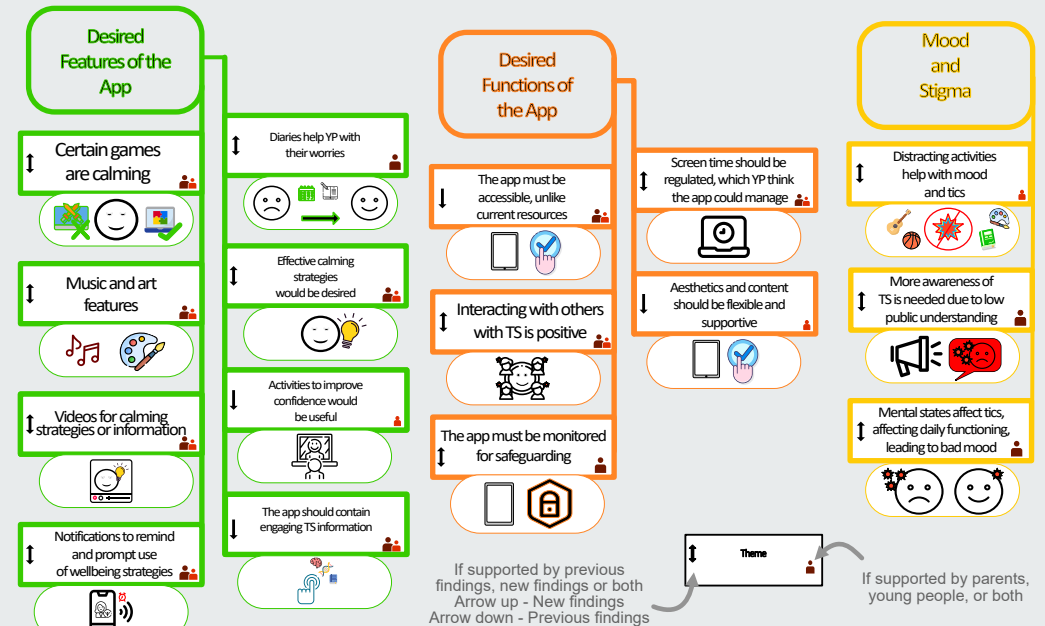
FINDINGS

Scores from the TODS-PR, RCADS and C&A-GTS-QOL

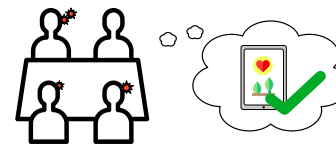


Hybrid Thematic Analysis

A method of analysis which integrates previous findings with new findings, so that commonalities can be identified



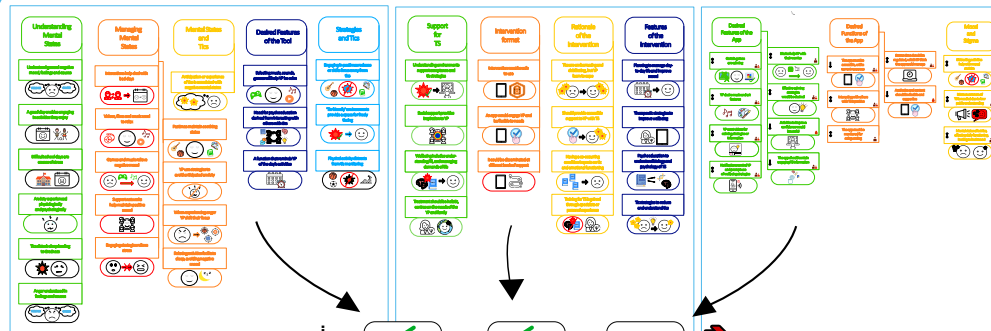
CONCLUSIONS



Study 4: Summary of Online Focus Groups with Young People with Tics and their Parents

RATIONALE

Previous Findings



Prioritisation

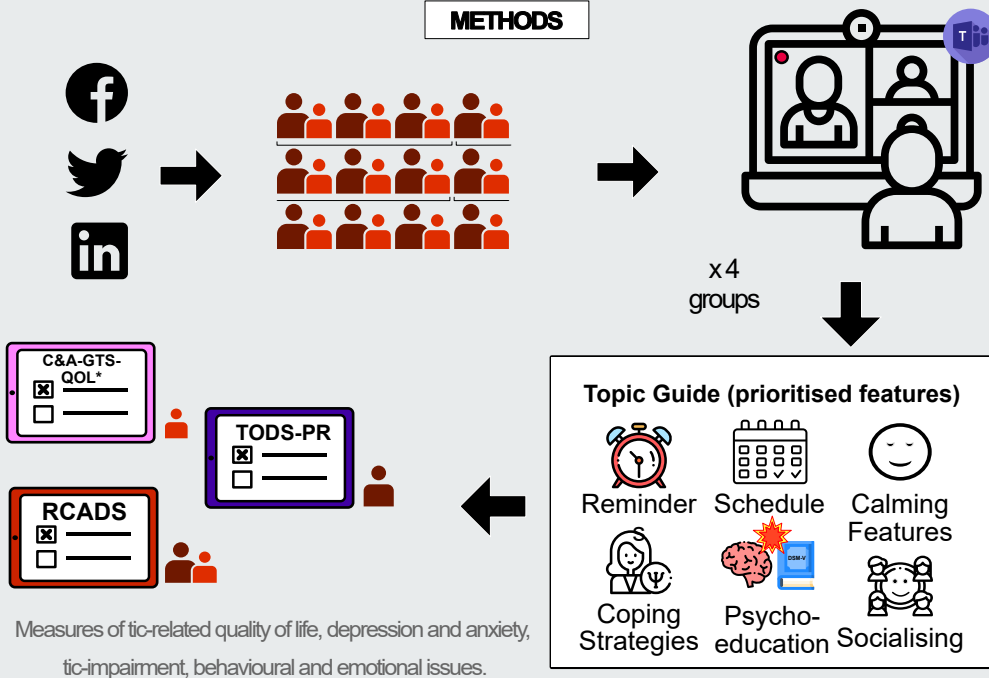
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If similar themes were found to support features across methods, they were explored further in the next study

Research Questions

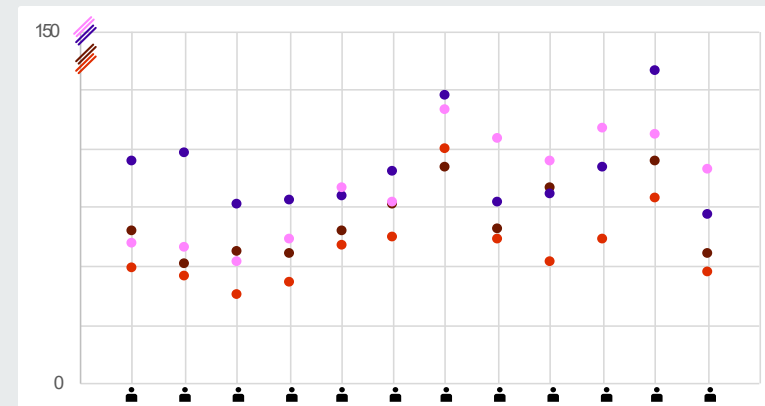
1. What features are most important?
2. What types of features are most important?
3. How should desired features look and function?

METHODS



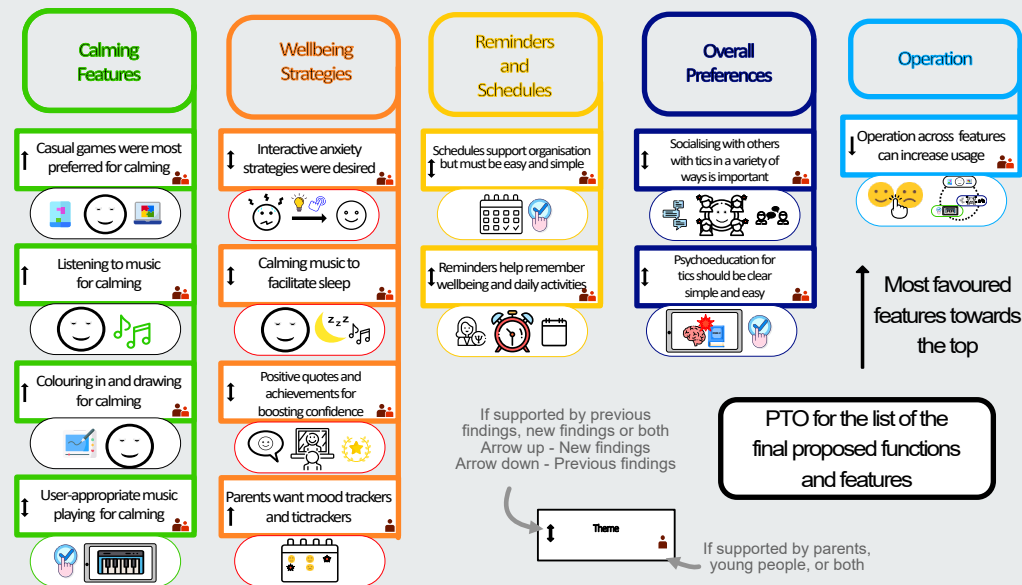
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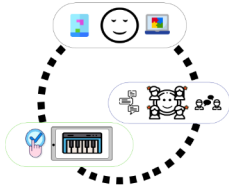


CONCLUSIONS

The proposed features have been supported across methods, by YP and parents. The proposed functions identify ways the intervention should work to keep YP with tics safe and to increase the accessibility of the intervention. Combined with behavioural theory, these findings will lead to the development of guiding principles which are theory, evidence and person-based, to support the development of an intervention that will support YP with tic's wellbeing.

Final proposed functions and features of an app top support wellbeing in YP with TS

Proposed Functions



Features should link between each other



Features should be accessible



The app should be personalised



The app should be safe



The app should monitor screentime

Proposed Features



Schedules and reminders help with daily activities



Learning about TS via animation videos would be helpful



Music supports as a sleep facilitating activity



Socialising with others with TS helps to normalise experiences and share perspectives



Casual games and music act as calming strategies



Learning about TS from others with TS would be helpful



The app should include strategies for anxiety

If you would like to have an online copy of this, ask any more questions about the research, or view the thesis, please don't hesitate to get in touch with me at my email: Camilla.Babbage@nottingham.ac.uk.

Finally, I would like to share the acknowledgements section of my thesis, to thank those who have been so wonderful in supporting me over throughout this research.

Acknowledgements

Firstly, I would like to thank my supervisors, Elena and Georgina, for dedicating their time and giving me the opportunity to complete this PhD. We could never have anticipated this last year, but I am so grateful for your ongoing encouragement and have valued learning from you both. Secondly, to the ESRC, who have provided me with resources, training and helped to make me feel part of a research community. Further, to Tourette's Action, who have been so supportive and welcomed me open-armed. I am so thankful to have had the opportunity to work with you, have adored attending your events, especially TicFest, and wholeheartedly hope this research can be of benefit to the aims of the charity.

I would like to dedicate this PhD to the tic-community, who are at the very centre of this project. I have been humbled by those who have accepted me into their groups, who reached out to me at various points, and who have shown interest in this work. When times were tough, it was you guys who spurred me on. A special thanks to the Group Leaders and friends, Kim, Bev, Tracy, Carole, Linden and David, your support meant so much. I'd also like to thank all the participants who were involved in the research, who gave their time and effort because you saw value in this research area.

Special thanks go to the MindTech team, who's inspiring and upbeat attitude never went amiss. In particular, to Bethan Davies, who has been a real mentor to me throughout, thank you. I am also grateful to Ellen Simpson and Madeleine Roche for their assistance in the research projects. I also can't forget those at the Institute of Mental Health, my wonderful IMH ADAPT group and colleagues there, who have all brought me such camaraderie, joy and understanding throughout the PhD, you guys always gave me the boost I needed.

Finally, some personal notes, I would like to thank my wonderful friends, who have seen me journey through one part of education or another...! I am so privileged to have had these opportunities to learn, but who'd have thought the greater privilege would be meeting you all. Thank you for sticking through with me. A huge shout out to my family and those lost along the way, I really hope to make you proud and love you all very much. Last, but definitely not least, thank you to Craig Scott (and Bembe Babbage). You've been the best workmates I could have asked for, even before lockdown. I couldn't have done it without you, thank you for helping me see it through, ensuring I mostly keep my eyebrows, and I can't wait to be doctors together.