

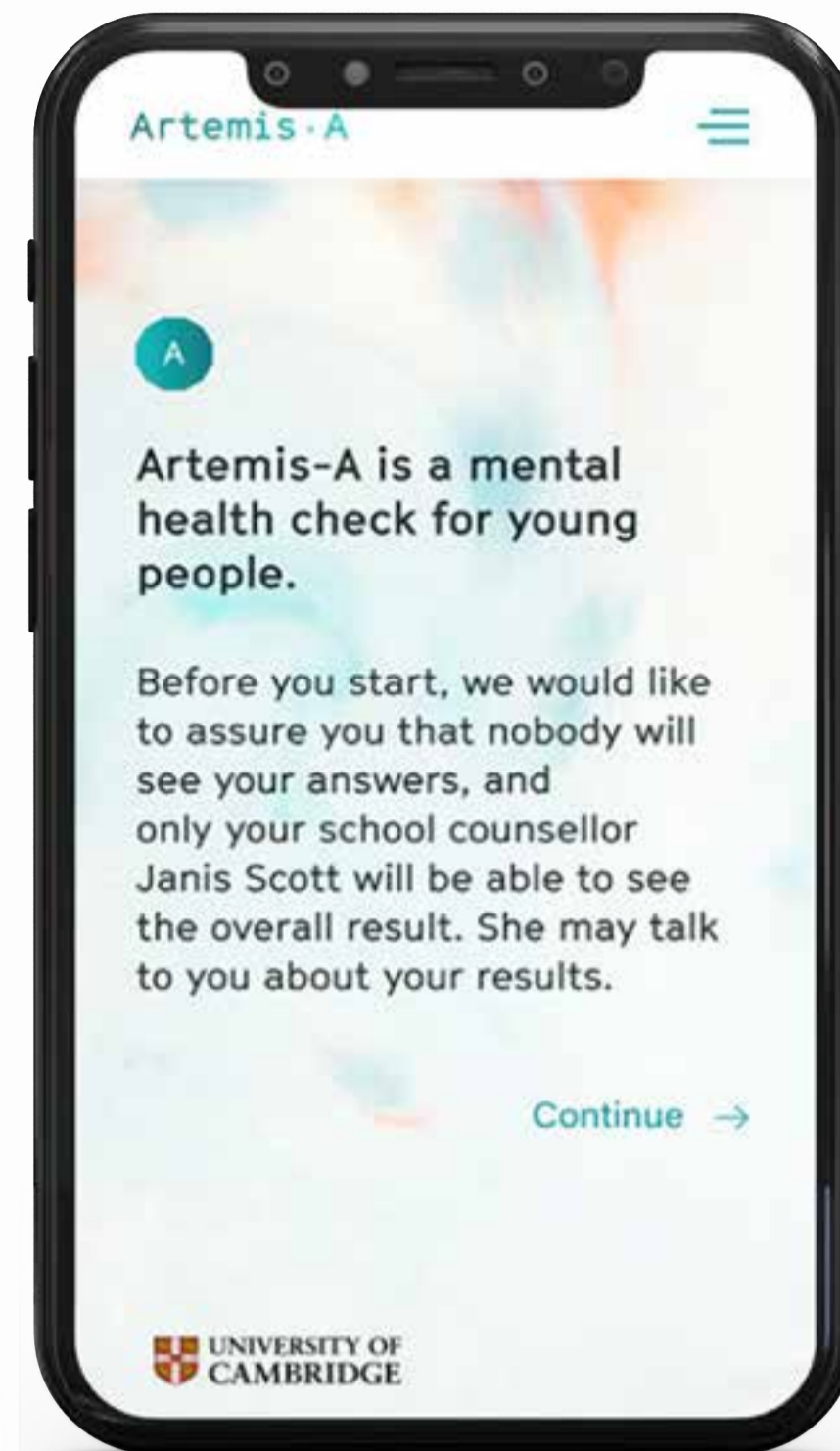
A Qualitative Study Exploring the Feasibility and Acceptability of the Artemis-A app in Primary Care Settings

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01 INTRODUCTION

- The COVID-19 pandemic has significantly impacted adolescents' mental health, necessitating prompt assessment and intervention. Traditional paper-based assessments can be resource-intensive and cumbersome.
- Artemis-A, a web-based tool initially designed for schools, utilizes computerized adaptive testing technology to streamline and digitize mental health assessments.
- This qualitative study aims to explore the perspectives of primary care clinicians regarding the feasibility of implementing Artemis-A in primary care settings for assessing the mental health difficulties of adolescents (11-16 years old).



- Designated healthcare staff have access to protected data
- Quick and reliable mental health check-up
- Direct access to mental health resources

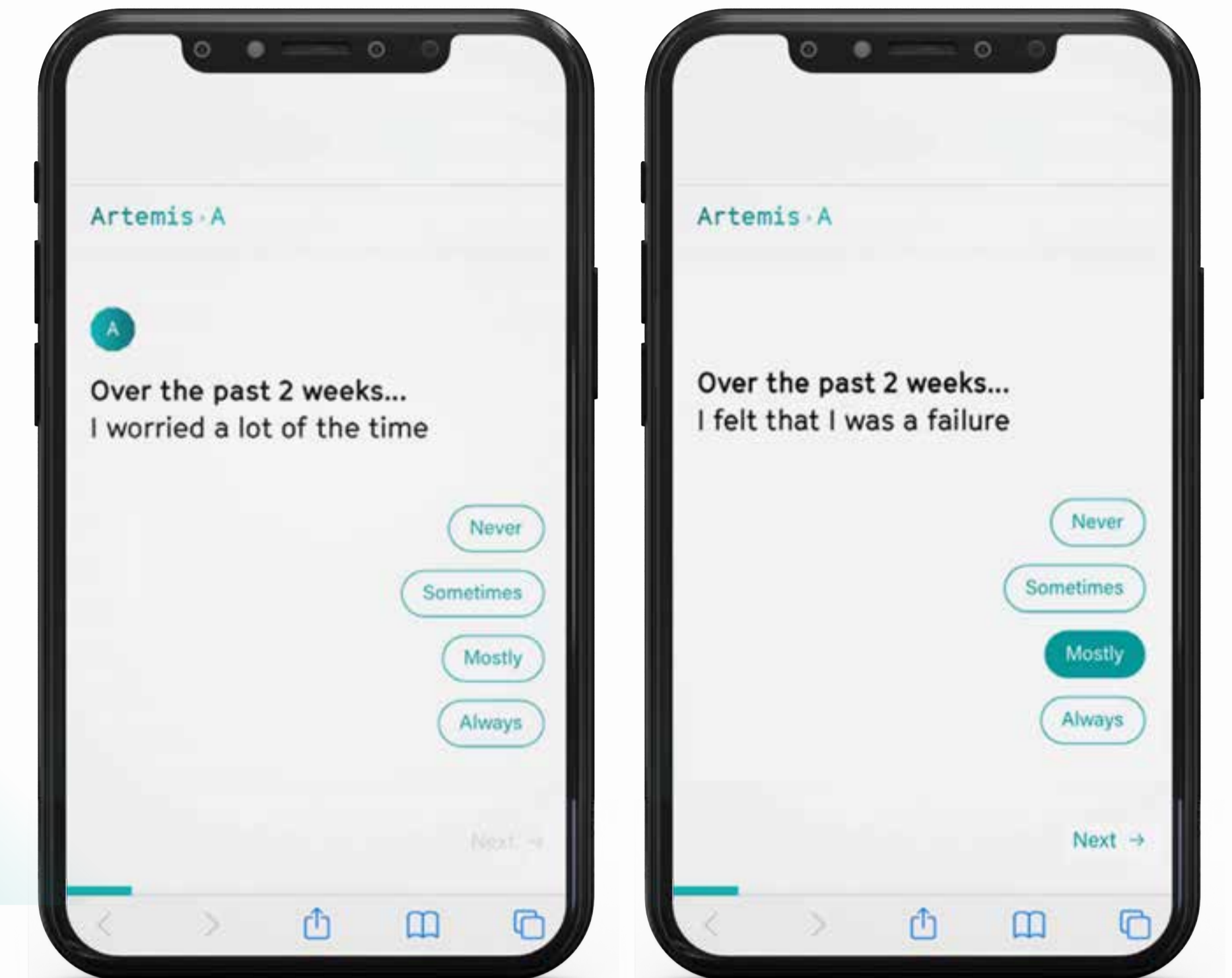


Figure 1: Example assessment questions in Artemis-A

How Artemis-A Works



Measure mental health of children and young people (CYP)

CYP can use Artemis-A on a mobile phone or computer. The assessment takes ~5 minutes to complete.



Artemis-A is quick and reliable

CYP are given 5-7 questions from a 220-item question bank sourced from standardized mental health assessments.



Generate accurate individual and group feedback reports

Artemis-A automatically scores CYPs' responses and prepares tailored reports which are confidentially shared with designated healthcare staff.

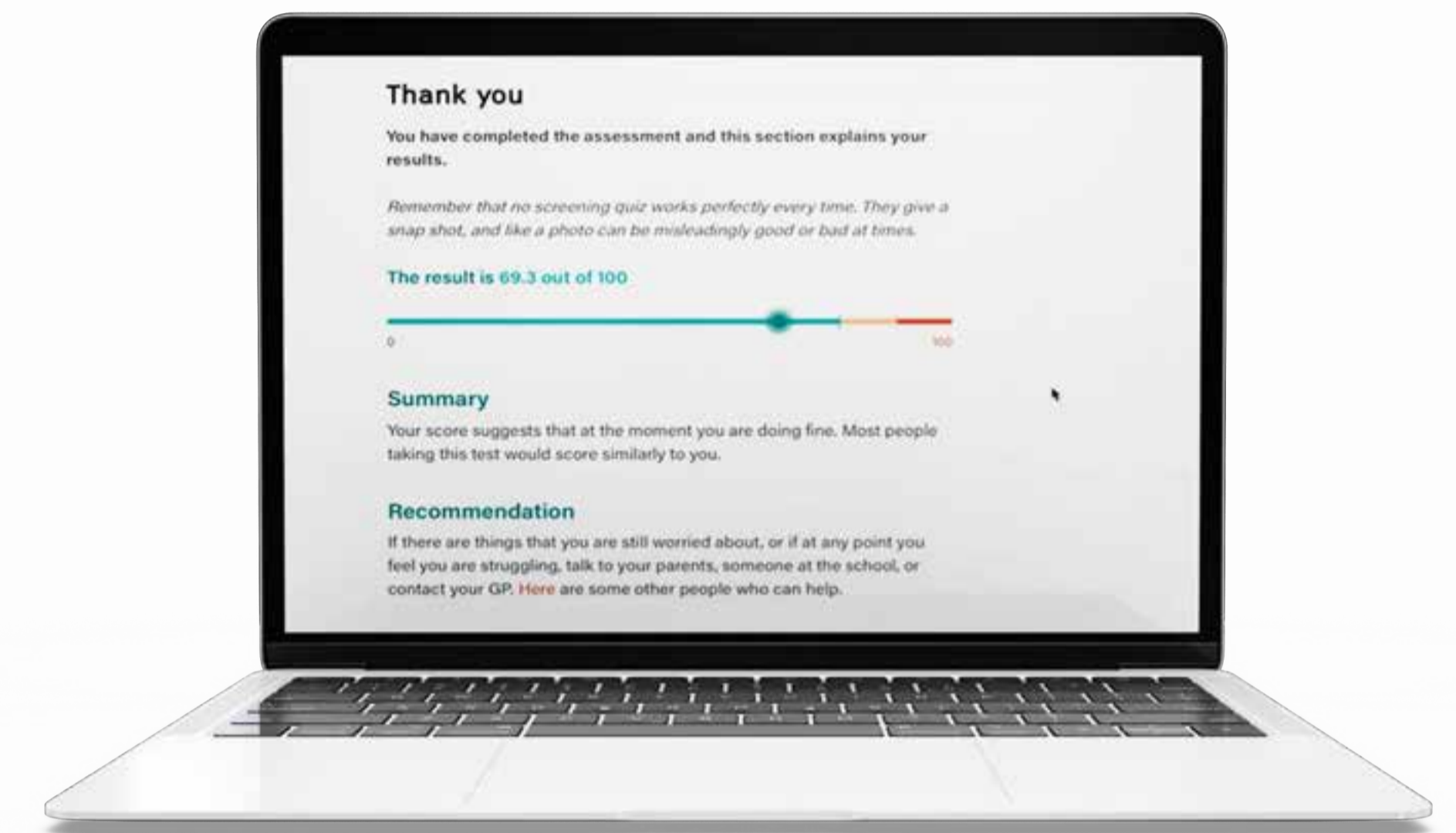


Figure 2: Example score report after completing the Artemis-A assessment

02 METHODS

Participants



Qualitative Data Collection

Conducted 20 semi-structured interviews with primary care clinicians



Data Management & Analysis

Transcripts of audio recordings will be analysed using the Framework Method (Ritchie & Spencer, 1994)

ETHICS

Ethical approvals from both the Health Research Authority (HRA) and the University of Cambridge have been obtained for this study.

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03 RECRUITMENT STRATEGIES

General Strategies



GP-Specific Recruitment Strategies



School Nurse-Specific Recruitment Strategies



04 PRELIMINARY RESULTS

Key Findings



Suggestions



"I think it would be a really helpful and useful addition."

GP #1

"I liked the simplicity...and I think a lot of young people are visual and I liked the fact that it [score report] was on a continuum."

School Nurse #5

05 PRELIMINARY CONCLUSIONS AND NEXT STEPS



Preliminary Conclusions

Artemis-A helps identify mental health needs in primary care efficiently and effectively.



Next Steps

Testing Artemis-A with CYP in primary care.

Scan to access Artemis-A website



References: Becker, D. (2016). Acceptance of mobile mental health treatment applications. *Procedia Computer Science*, 98, 220-227. <https://doi.org/10.1016/j.procs.2016.09.036> | Burn, A.-M., Ford, T., Stochl, J., Jones, P., Perez, J., & Kosmala-Anderson, J. (2022). Original paper developing a web-based app to assess mental health difficulties in secondary school pupils: Qualitative user-centered design study. *JMIR Formative Research*, 6. <https://doi.org/10.2196/30565> | Clarke, A. (2021). Only 4% of secondary school teachers have seen no major changes in pupils' mental health in the last year. *Early Intervention Foundation*. <https://www.eif.org.uk/press-release/> | Ritchie, J., & Spencer, L. (1994). *Qualitative data analysis for applied policy research*. In A. Bryman & R. G. Burgess (Eds.), *Analyzing qualitative data* (pp. 173-194). Routledge.