

Mental Health Diagnostic



> TRL 7
> Clinical

Problem

Mental health assessments often rely on lengthy questionnaires that can be time-consuming, burdensome, and difficult to integrate into routine clinical workflows. Individuals may be required to complete multiple separate assessments to evaluate different mental health concerns, reducing engagement and limiting scalability in healthcare settings. Existing digital tools frequently focus on a single condition or require extensive data collection, creating barriers to efficient screening, triage, and monitoring. Health services need accurate, standardised, and scalable methods to assess mental health across multiple domains while minimising respondent burden. Faster, more accessible assessments are essential to support timely care navigation and informed clinical decision-making.

Solution

ADAPT-MH is a web-based adaptive assessment platform that uses multidimensional item response theory and real-world clinical data to dynamically select questions based on a user's previous responses and estimated symptom profile. The system assesses multiple mental health domains within a single workflow and generates personalised scores aligned with recognised clinical scales. By asking only the most informative questions, the platform substantially reduces assessment time while maintaining strong accuracy and clinical relevance. The technology provides clinicians and health services with interpretable results that can support screening, care navigation, outcomes monitoring, and broader integration into digital mental health pathways

Availability

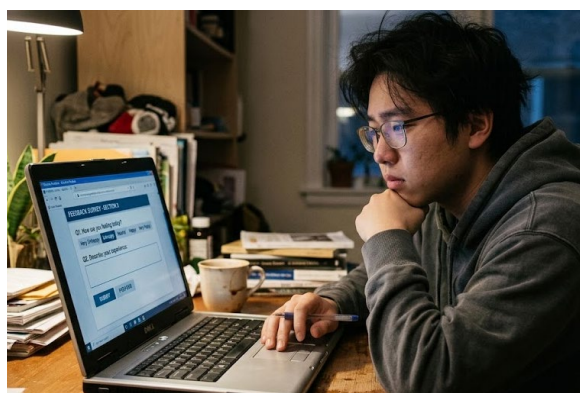
ADAPT MH is available for non-exclusive licensing.

Potential Commercial Applications

- Digital intake and triage tool for mental health services.
- Measurement-based care and treatment outcomes monitoring.
- Decision-support tools for primary care and community health services.
- Digital front-door assessment solutions for health systems.
- Population-scale mental health monitoring programs.

Inventors

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