



**UNSW**  
SYDNEY



## Making a Smart Assessment of Mental State

**Automatically detecting mental state and depression by using voice screening and monitoring to make a non-invasive, cheap, smartphone-based assessment.**

### Competitive advantage

- State-of-the-art speech-based assessment of depression via smartphone
- World leaders in automatic voice analysis

### Impact

- Smartphone-based solutions will reach millions of patients worldwide, and allow collection of big data
- The technology also covers call-centre type solutions e.g. for automatically detecting suicidality in telephone calls

### Successful outcomes

- Early trials currently being conducted by ARC Linkage partner SondeHealth, with large pharmaceutical companies
- Provisional patent currently being filed
- Extended team (via ARC Linkage Project) has a quick path to market and are experts in app-based mental health interventions

### Capabilities and facilities

- Access to what is probably the largest depressed-speech database in the world

### Our partners

- SondeHealth
- Black Dog Institute

### More Information

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