Voice Patterns
How can mobile phones improve people’s lives?

Art credit: Peter Durand
Community voice patterns ...

Fully automated conversation processing

Who is together with whom for how long
... and micro-level voice patterns

Who is speaking when and how?

Turns automatically segmented

Various conversational measures extracted: pitch, speaking rate, speaking turns
Mental Health
Voice patterns and mental health

Depression Scale  
Correlation: -0.73

Mental Health Score  
Correlation: 0.82

Friendship Scale  
Correlation: 0.96

Simple voice patterns are correlated with high-level mental health states.
StressSense
Behavior Change
BeWell
Touch the photo that best captures how you feel right now:

Photographic Affect Meter (Prof. Geri Gay)
Manipulating power and stress

Artificially manipulating non-verbal display of affect can change cortisol and testosterone
acknowledgements

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publications


