

Research Roadmap

Professor Chris Taylor
University of Manchester

NewMind Network

Technology to transform mental health care

- Funded by EPSRC
- Partnership with **MindTech**
 - NIHR Health Technology Co-operative
- NewMind Objectives
 - build EPS community engaged with mental health
 - help EPS researchers understand service need
 - envision technology intervention scenarios
 - identify underpinning EPS research challenges
 - develop new research collaborations

NewMind Stats

- Active network members: 160
 - Researchers: 60
 - Clinicians: 31
 - Charities: 13
 - Service users: 22
 - Providers etc: 34
- Includes 55 new members since Sept 2015
 - 25 attending this meeting

NewMind Research Roadmap

- Health Outcomes Framework
 - What are interventions trying to achieve?
- EPS Research Challenges
 - What research is needed to realise the potential?
- Ethical and Responsible Innovation Framework
 - What principles should researchers respect?

Health Outcomes Framework

- Working with scenarios
 - Imaginative examples of interventions
 - Science fiction allowed!
 - Analysis – what are they trying to achieve?



Health Outcomes Framework

- Taking control
 - Empowering self-management
 - Enabling collaborative care
 - Developing self-awareness of triggers
 - Managing medication effectively
- Smarter Intervention
 - Early diagnosis and stratification
 - Providing early warning of deterioration
 - Altering mood, deploying coping strategies
 - Managing sensory experience

Health Outcomes Framework

- Living better
 - Living independently
 - Reducing isolation
 - Supporting challenging activities
 - Supporting social interaction

EPS Research Challenges

- Sensing systems
 - Continuous picture of health, activity and experience
- Information management
 - Dealing with the flood of data, integrating with health record
- Data analytics
 - Making sense of data – patterns and prediction
- Human-centric systems
 - Making systems useable, unobtrusive, personalised

Ethics and Responsible Innovation

- Privacy and confidentiality
- Co-development
- Choice and personalisation
- Empowerment and control
- Impact on relationships
- Fair access and support

Morning Workshop

- Healthcare Outcomes Framework (30 mins)
 - Does it make sense?
 - What is missing?
 - What is inappropriate?
- What might the future look like? (30 mins)
 - Develop scenarios (post-its + flip chart)
 - Choose one to present
- Feedback
 - One scenario per group (2 mins)

Afternoon Workshop

- Ethical and Responsible Innovation Framework (30 min)
 - Does it make sense?
 - What have we missed?
- How do the scenarios stack up? (30 min)
 - What are the ethical and responsible innovation issues?
 - Choose one or two issues to highlight
- Feedback
 - One or two key issues per group (2 min)