



The research commercialisation office of the University of Oxford, previously called **Isis Innovation**, has been renamed **Oxford University Innovation**

All documents and other materials will be updated accordingly.
In the meantime the remaining content of this Isis Innovation document is still valid.

URLs beginning www.isis-innovation.com/... are automatically redirected to our new domain, www.innovation.ox.ac.uk/...

Phone numbers and email addresses for individual members of staff are unchanged

Email : enquiries@innovation.ox.ac.uk

eHealth & Big Data



Isis Innovation & Oxford AHSN Technology Showcase



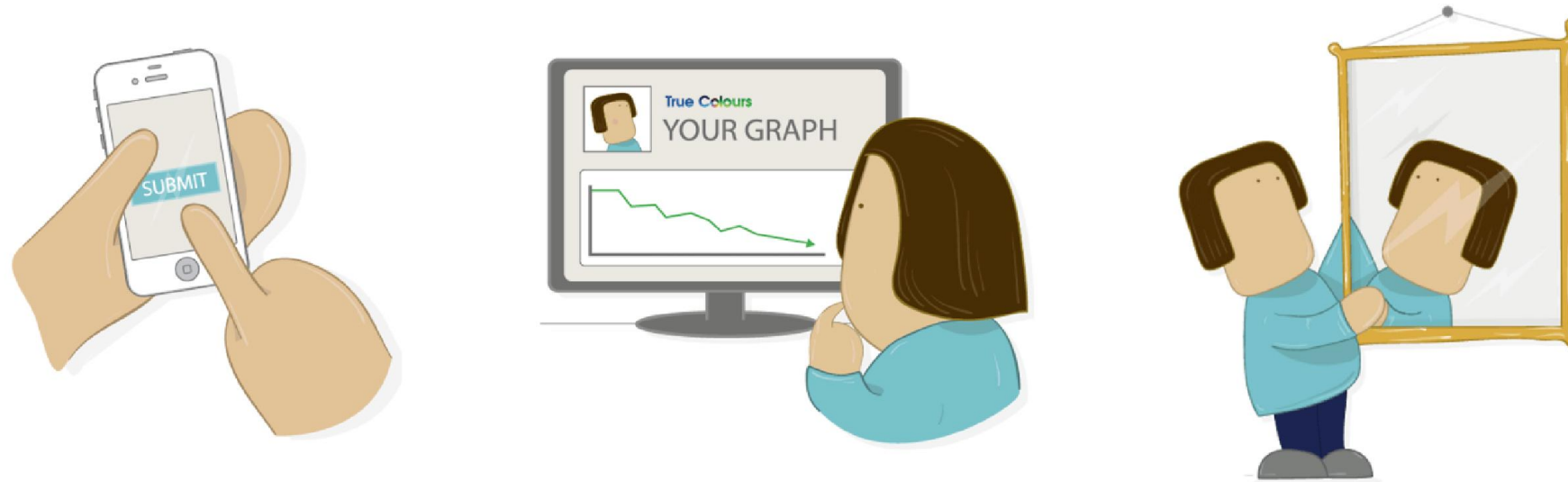
eHealth & Big Data

The True Colours Platform: How Digital Health is Changing Our Relationship with the Patient

Dr Chris Hinds



OXFORD INSTITUTE FOR
Digital Health



True Colours: a platform for self-management

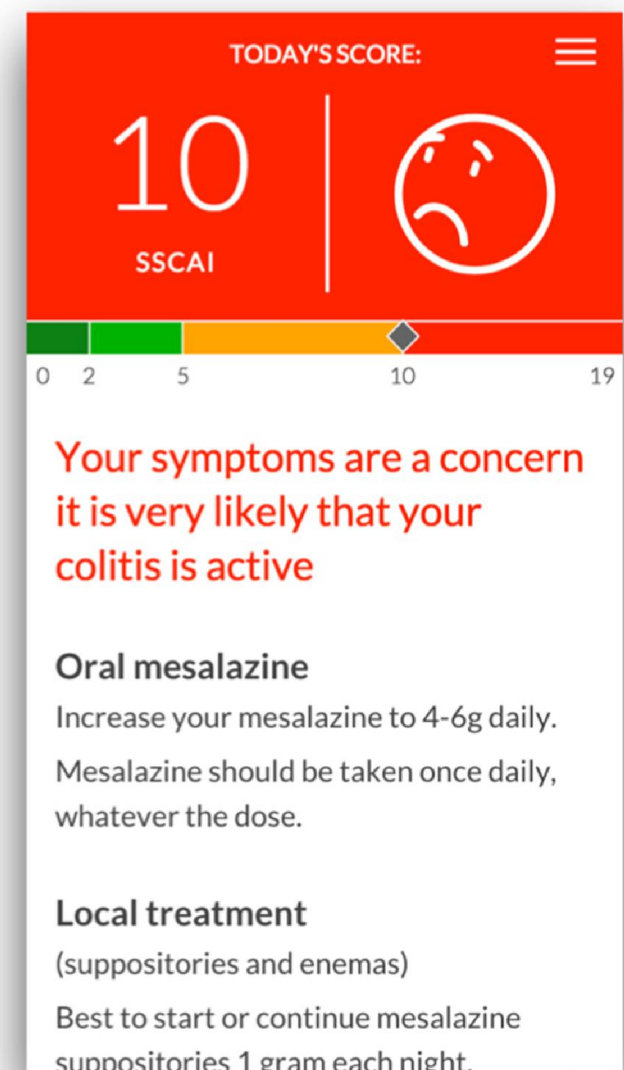
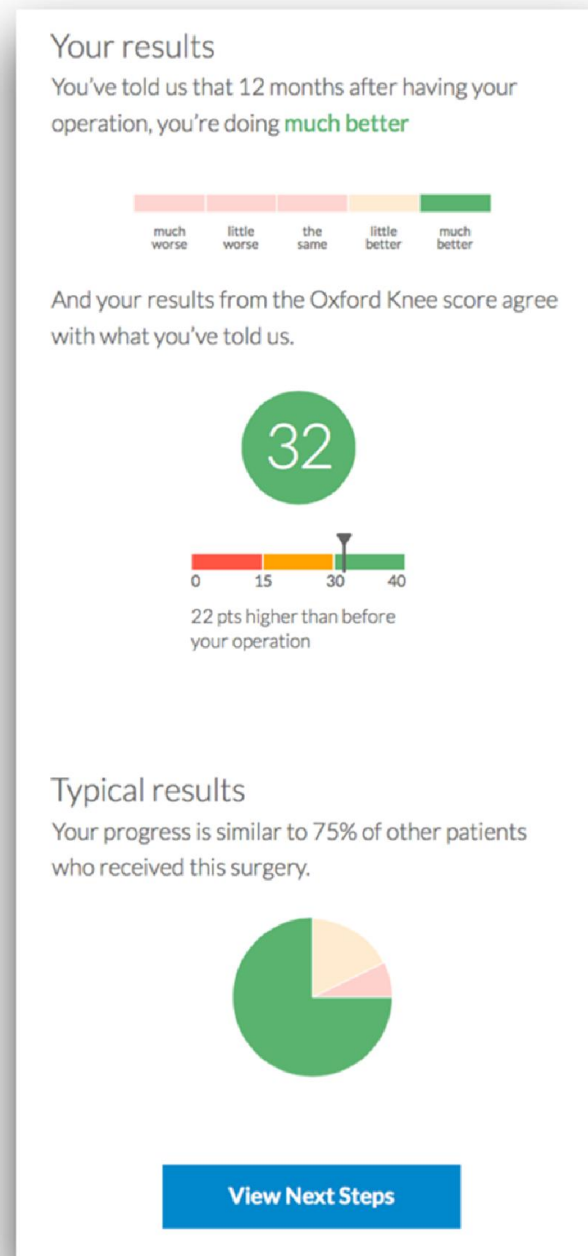
A screenshot of a questionnaire screen in the True Colours app. It displays two questions: 'Q9. Did you take a painkiller or triptan?' and 'Q10. Did the painkiller/triptan stop the headache or make it a lot better?'. Each question has 'No' and 'Yes' response options. At the bottom, there is a 'Next step' button with a right arrow. A progress bar at the very bottom shows the current step in the questionnaire.

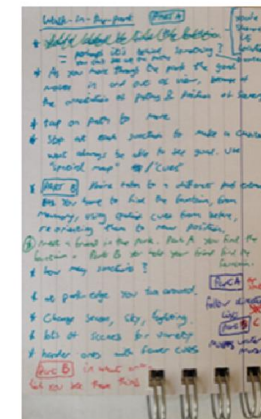
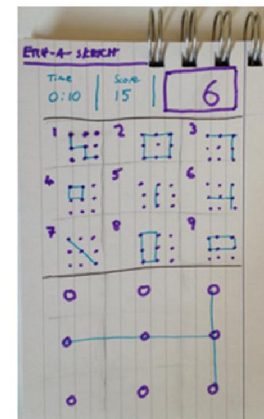
for mood disorders

- since 2006 it's collected 300,000 outcome measures: some users have over 6 years of continuous weekly clinical self-report & personalised questionnaires
- *It's a way for me to examine my mood over the last week and then kind of take stock...you kind of look back and think it's been dreadful....but actually, if you're feeding back every week **you can see that you do go up and down...** I'm not down all the time...*
- patients: self-management and empowerment
- clinicians: seeing participants' progress at a distance
- transforming clinical interactions: less about past, more about future

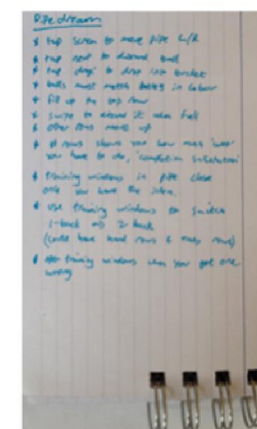
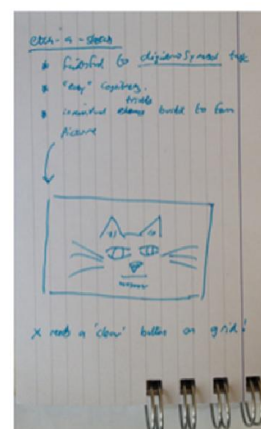
for other disorders

- orthopaedic surgery:
reducing routine
follow up
appointments
- ulceric colitis: better
adherence, fewer
hospital visits
- migraine:
streamlining primary
care experiences



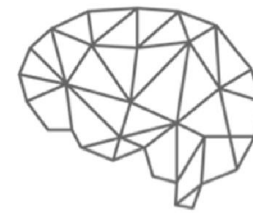


Tracking Cognition: Beating Dementia

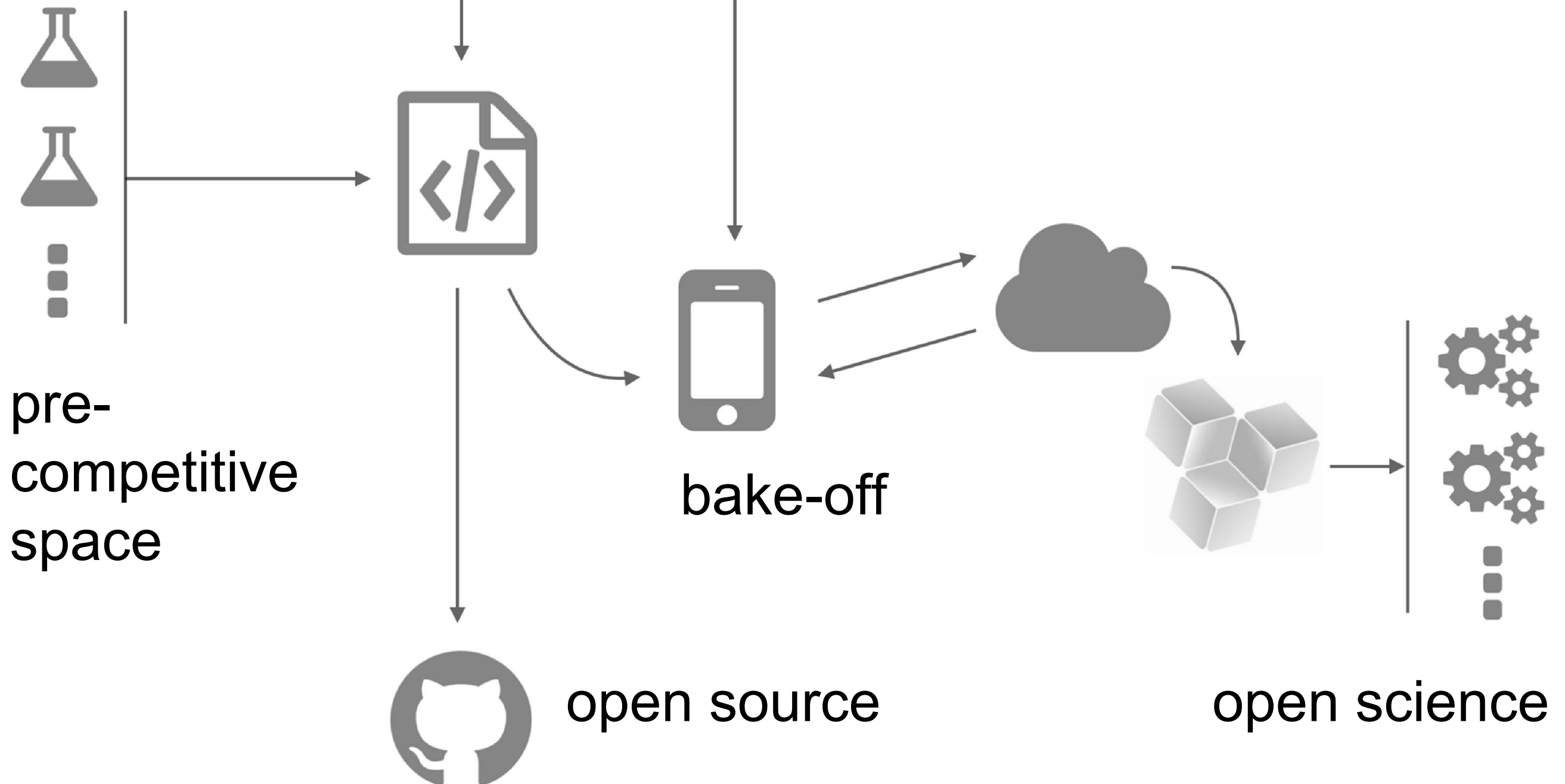


tracking cognitive function

- how to identify the right clinical trial participants?
- build an app that discerns healthy ageing from early dementia, potentially signposting relevant trials
- from one-off screening in clinic, to longitudinal and near-continuous assessment
- design not just for scientific validity, but also to delight and engage participants
- consortium to make this a truly global project



Dementias
Platform^{UK}
Medical Research Council



setting a new standard for measurement in dementia

Digital Health: Transforming our Relationship with the Participant

- clinical practice with True Colours: discussion less about **past**, more about **future** and how to self-manage
- beating dementia: from participant as **subject** to participant as **co-investigator**
- because understanding how such relationships are transformed **is** how we need to understand digital health

