

Digitally enabled pathways in children and young's people mental health care

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Digital horizons in mental health

Augmented or
Assistive Realities

Virtual Reality

Smartphones Apps
and Diagnostics

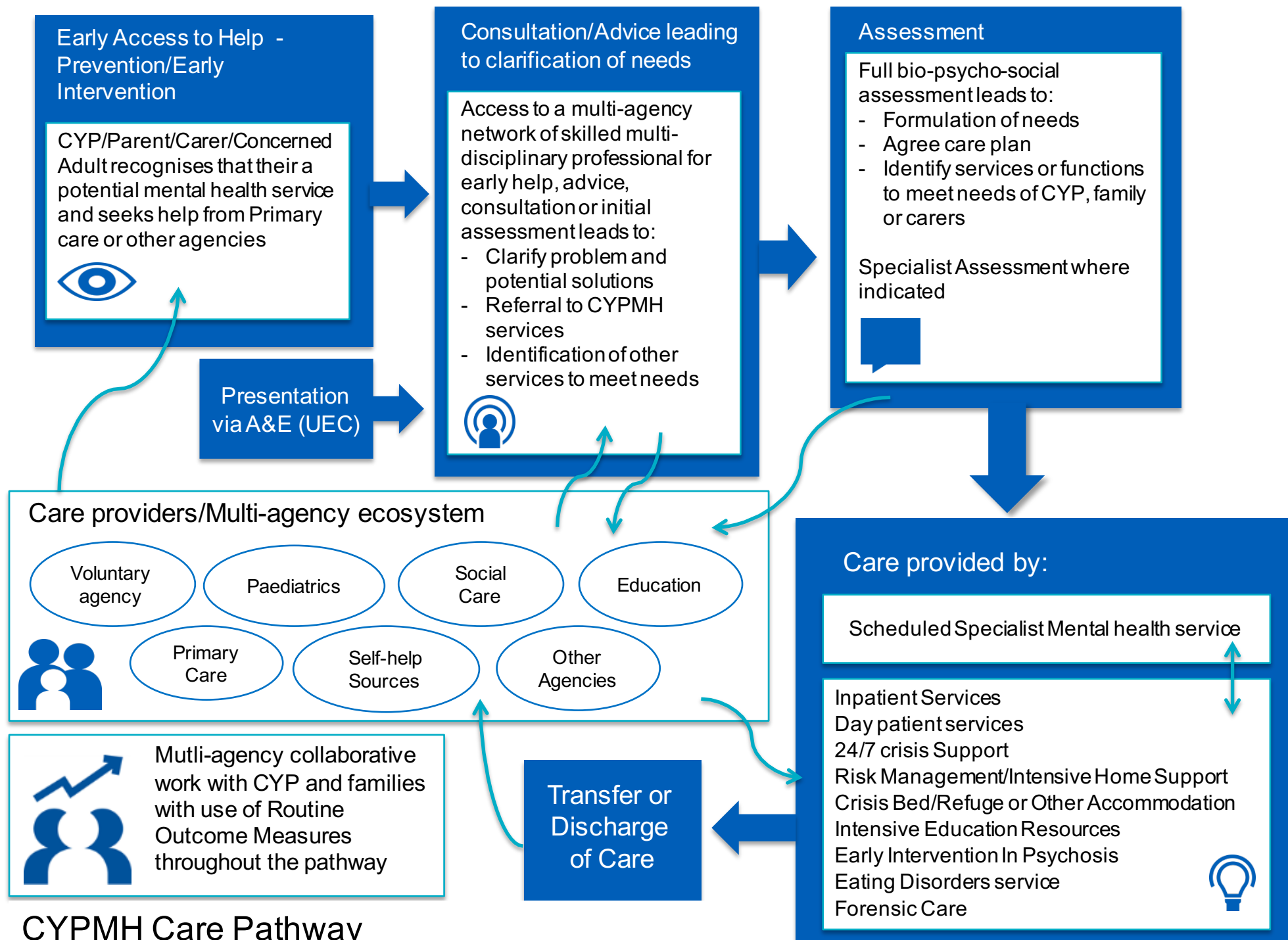
Machine Learning
and AI

Digital Devices for
Monitoring Physical
Health

Electronic Personal
Health records

Genomics

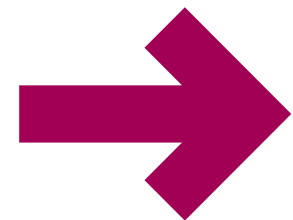
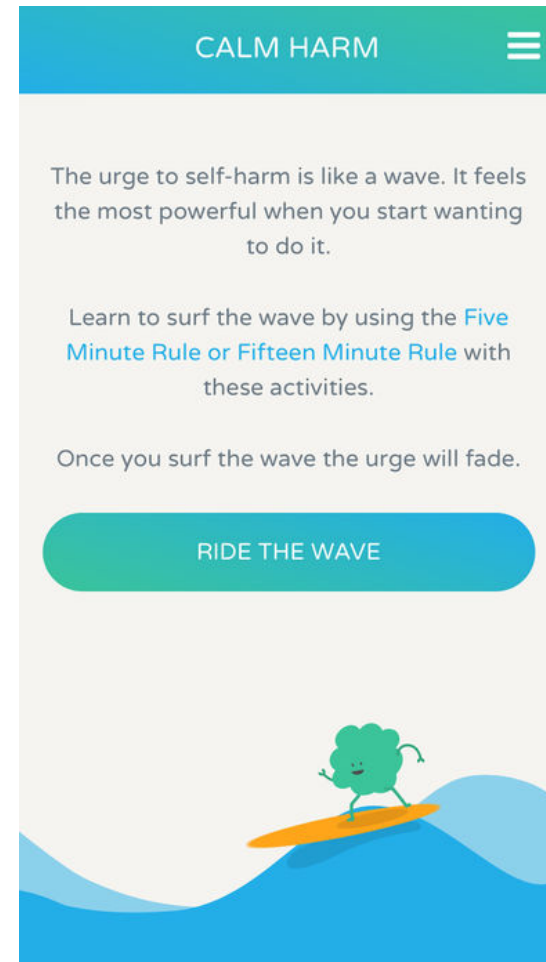
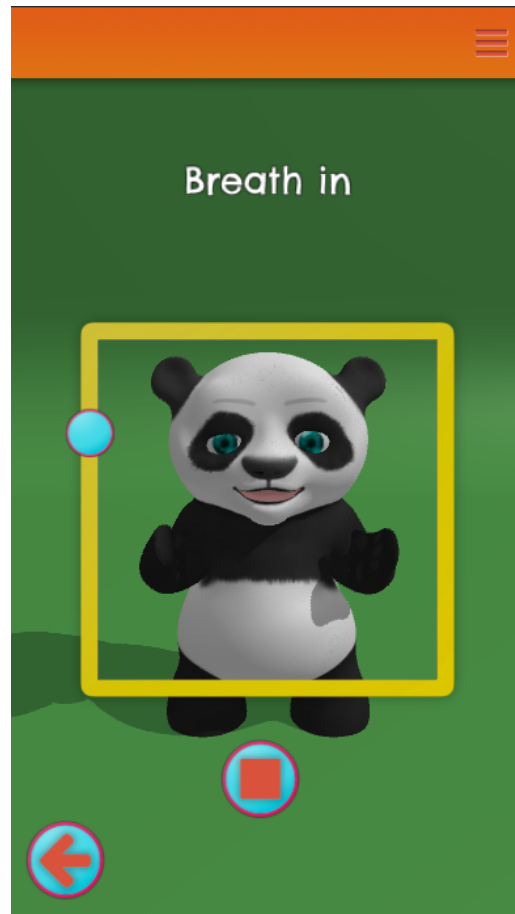




Targeted prevention and early intervention

- Improved information for schools and public
- Apps/gamification /chatbots/VR to support understanding and help-seeking behaviour
- Population analytics to identify people at risk
- Improved local directories of services to better signpost to services

Apps

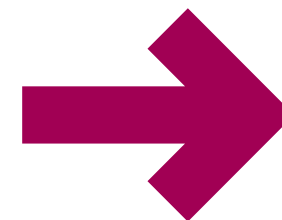


Assessment

- Improved interoperability facilitating and seamless record management across and between systems
- E-referral systems to support attendance
- Wearables to support assessment
- AI to support diagnosis
- Digitised care plan linked to jargon-busters/support apps

Patient Held Record systems

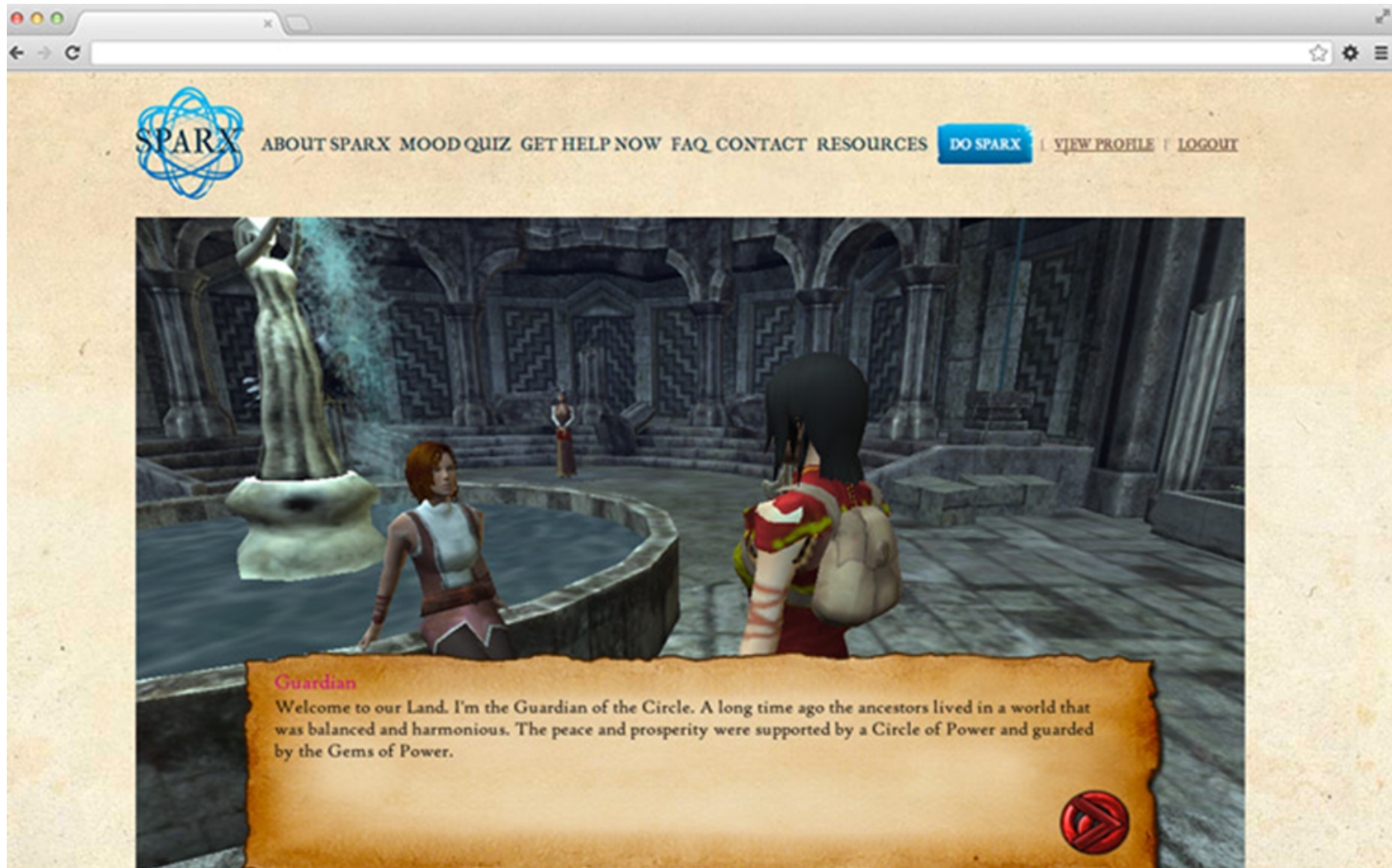
- Step Up
 - ADI
 - <http://www.adi-uk.com/adi-portfolio-health/stepup/>
- MyMind
 - Developed by NELFT
 - <http://www.nelft.nhs.uk/my-mind-information-for-health-professionals>



Treatment and care

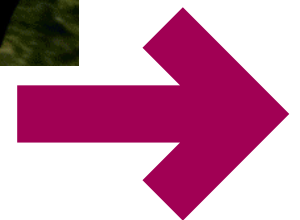
- Rethinking time/place for 'scheduled care'
- Patient managed/maintained EPR; available across clinicians/practitioners/educators
- continuously updated PROMs
- Wearables/apps to identify crisis risk
- Capacity and demand tools
- interoperability for medicines optimisation
- Apps for ongoing care/ crisis response
- Gamification of treatment

Serious CBT games



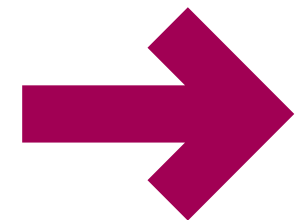
Virtual Reality

Blue Room for ASD – NTW/NCL Uni



Augmented Reality

- Brain Power
 - Using Augmented reality to help children with social communication difficulties to learn new skills...



Managing the multiplicity of providers and interplay with other systems

- Improved interoperability and data sharing/linkage between systems
- Link to primary and social care; education; housing to support individual care
- Population analytics to support planning
- Improved information sharing and signposting

Putting the pieces together

- Work with system partners
- Think end to end digital
- Bake in interoperability
- Leverage the affordances of digital – automation, analytics

A note of caution

- Don't assume young people want to you technology in the same way you do
- Can young people be the data controller?



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