Fit for the Future: Developing Digital Innovation in the NHS

Sam Shah

Currently….

Health and care

Apps Formulary

Digital records everywhere

Decision support

Online support

Online support

Synthetic data

AI

Wider Economy

Digital assistant

Internet of things

Smart workspaces

5G

Deep learning

Platform as a service

Gamification

NHS App

Citizen ID

- Integration of the service for all authentication

Symptom checking and triage

- 111 Online webpage
- NHS.UK Health A-Z web page

Patient record access

- Integration with four GP systems
- Patient can view GP record

GP appointment booking

- Find, book, view and cancel appointments,
- Integration with four four GP systems

Repeat prescriptions

- View medications and order prescriptions
- Integration with four GP systems

National data opt out

- National Data Opt-out service web page, currently in private beta, in the app

Organ donation preferences

- Organ Donation Registration web page surfaced

End of life care

- Set wishes for place of care, death, religion
- Details sent to GP practice

Getting the digital commissioning model right

Tariffs

Accelerator program funding

Short term: Funding and contracting models

Long term: Funding and contracting models

Modelling usage and impact on financial flows and other services

Future…

Biometrics
Demand and Capacity Planning
IoT
Precision Medicine
AI and Predictive Analytics
Omnichannel
Intent Determination
Booking Capability
Data-driven Decisions
Personalisation
Voice and Speech Recognition

DRIVE

BDRW

Digital safety
Information, data and media literacies
Digital wellbeing
Teaching, learning and self-development
Digital identity
Communication, collaboration and participation
Digital security
Technical proficiency
Creation, innovation and scholarship
Person-centred
Digital Literacy
Adapted from Jisc Digital Capacity Framework (2015) Jisc/Helen Beetham

Innovation Ecosystem

Open APIs

Market Engagement

SME support:

- Tech UK
- AHSNs
- NHS Digital

NHS

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