A Prototype UK Hospital Software Tool

How could we have done better?

Simon Clifford

University of Cambridge

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Al Dementia App

Research group has a ML algorithm trained on brain images (MRIs) and cognitive scores to give a prognostic score of the patient having Alzheimer's.



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Research Application

Hospital Application



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Research Application

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Much Work Elided For Time...





Need:

Picture Archiving and Communication System (PACS)



- Picture Archiving and Communication System (PACS)
- Hardware to run app on



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- Hardware to run app on
 - On the hospital network



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- Clinical users (browsers)



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- Images!



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- Hardware to run app on
 - On the hospital network
- Clinical users (browsers)
 - On the hospital network
- Images!
 - Ideally with known results





A virtual hospital.

PACS (different vendors?)



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- Image generators (e.g. scanners)



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- Clients



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- Clients
- Segregated networks



- PACS (different vendors?)
- Image generators (e.g. scanners)
- Clients
- Segregated networks
- Consented data





Think of these things at the outset



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- Avoid bunker / silo thinking



- Think of these things at the outset
- Avoid bunker / silo thinking
- Find a community



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- Avoid bunker / silo thinking
- Find a community
 - Or start one!

