

Healthcare Innovation using GS1 Standards

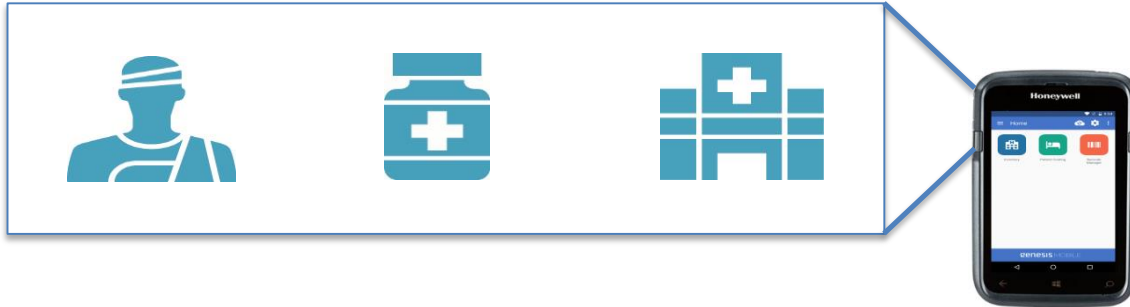
Richard Price
Scan4Safety Programme Manager

University Hospitals Plymouth



- Largest Hospital in South West Peninsula
- Major Trauma Centre
- Secondary and tertiary care to 450,000 people
- Number of beds approx. 1,100
- 7,000 staff members
- Scan4Safety demonstration site

Programme Summary



- **£1m+ savings**
- **Potential for further £1m**



Programme Summary

7,286 procedures captured



6,215 patients



13,971 products (implants) assigned to a unique patient



25,932 products tracked by lot & expiry date

£4.5m cost of items used



2,324 orders raised from electronic consumption.

77 work days saved (15min average manual order)



Product recall before **19 days 10 hrs.**

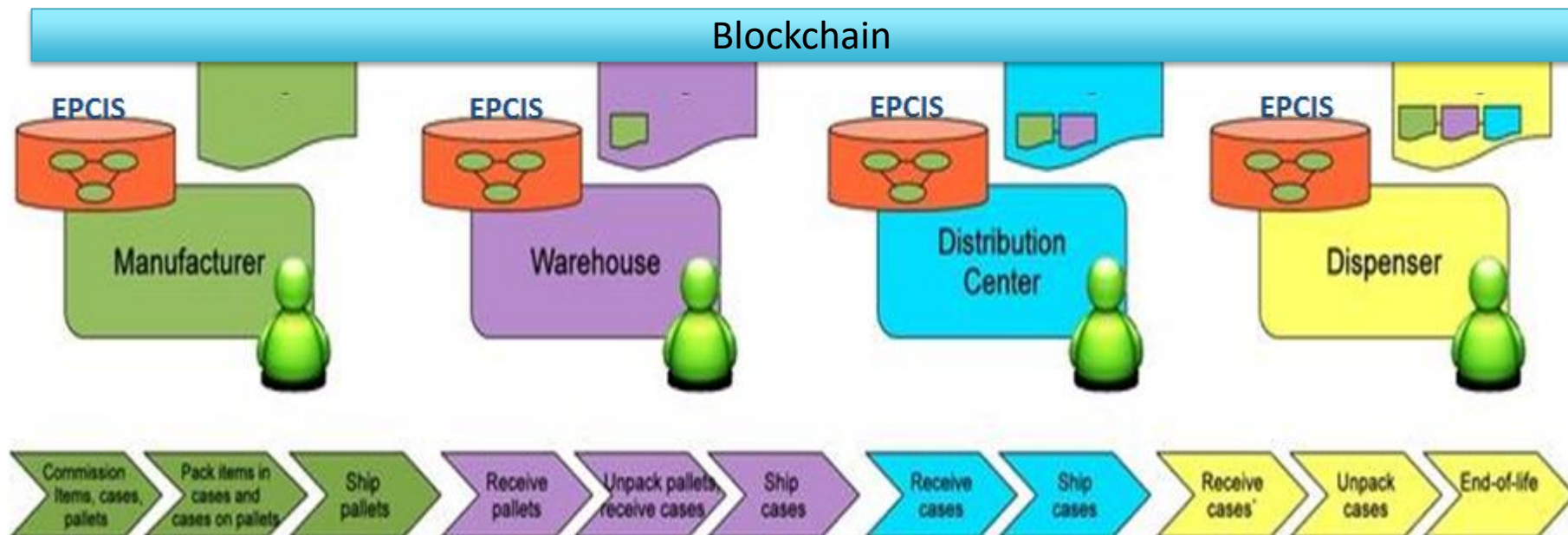
Now **1hr 45mins**, less than **1 min** to search and identify patients

Not just a 2 year project

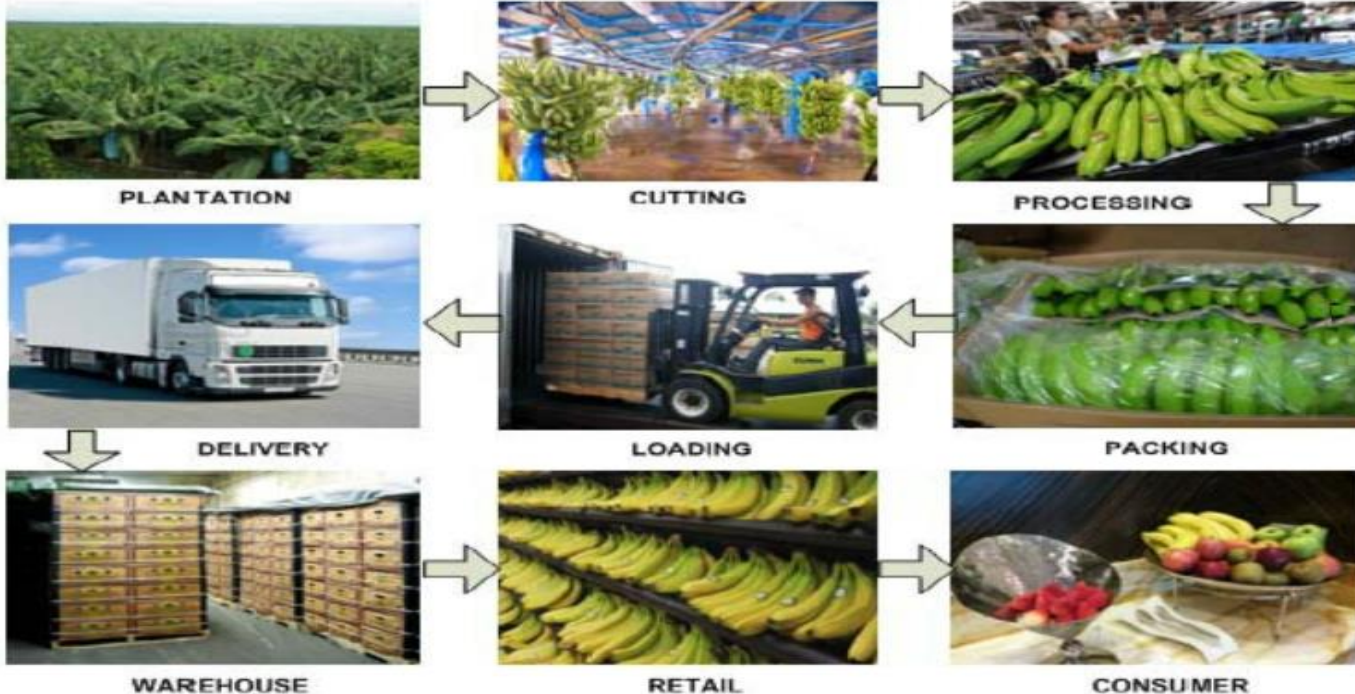
We wanted to explore ‘End-to-end traceability of healthcare products and patient events’

‘How does industry capture events?’

EPCIS (What, Where, When & Why?)



‘How does industry capture events?’ EPCIS (What, Where, When & Why?)



Products (GTIN)
Locations (GLN)
Staff (GSRN)
Containers/Pallets (SSCC)
Date and Time
Event data

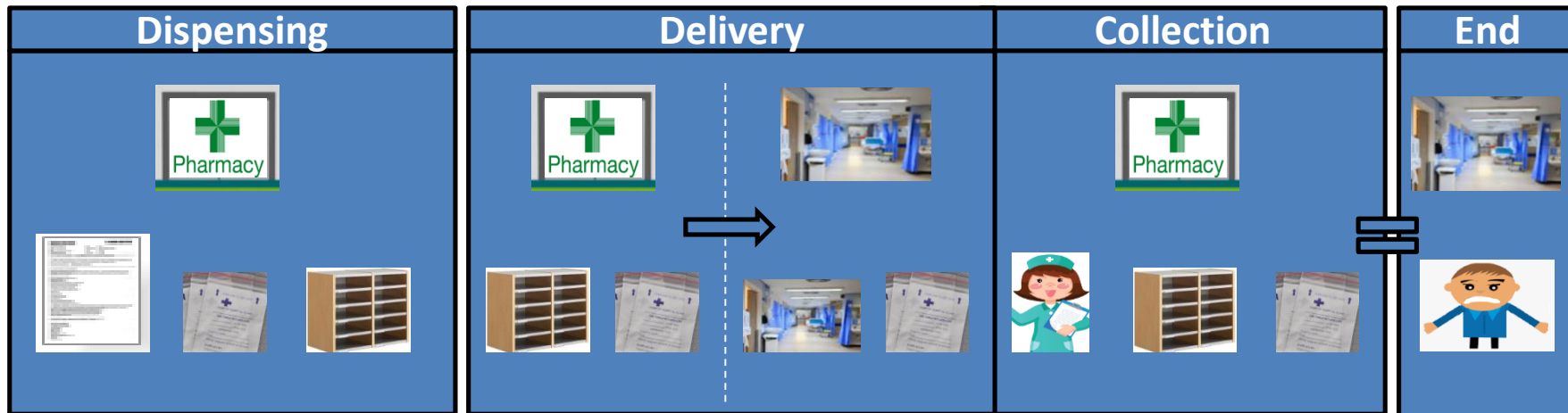
'End-to-end traceability of healthcare products and patient events'

Who are we working with?



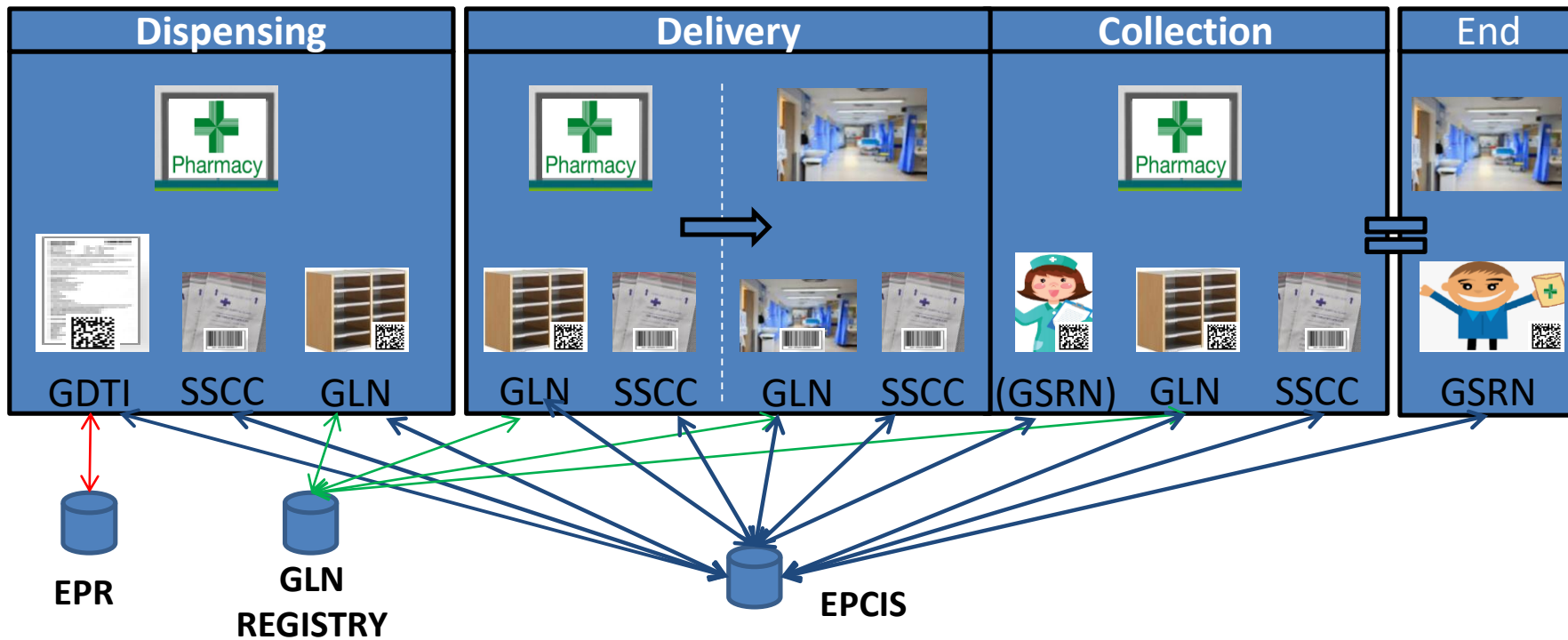
'End-to-end traceability of healthcare products and patient events'

Use case: Medicines TTA tracking - Current



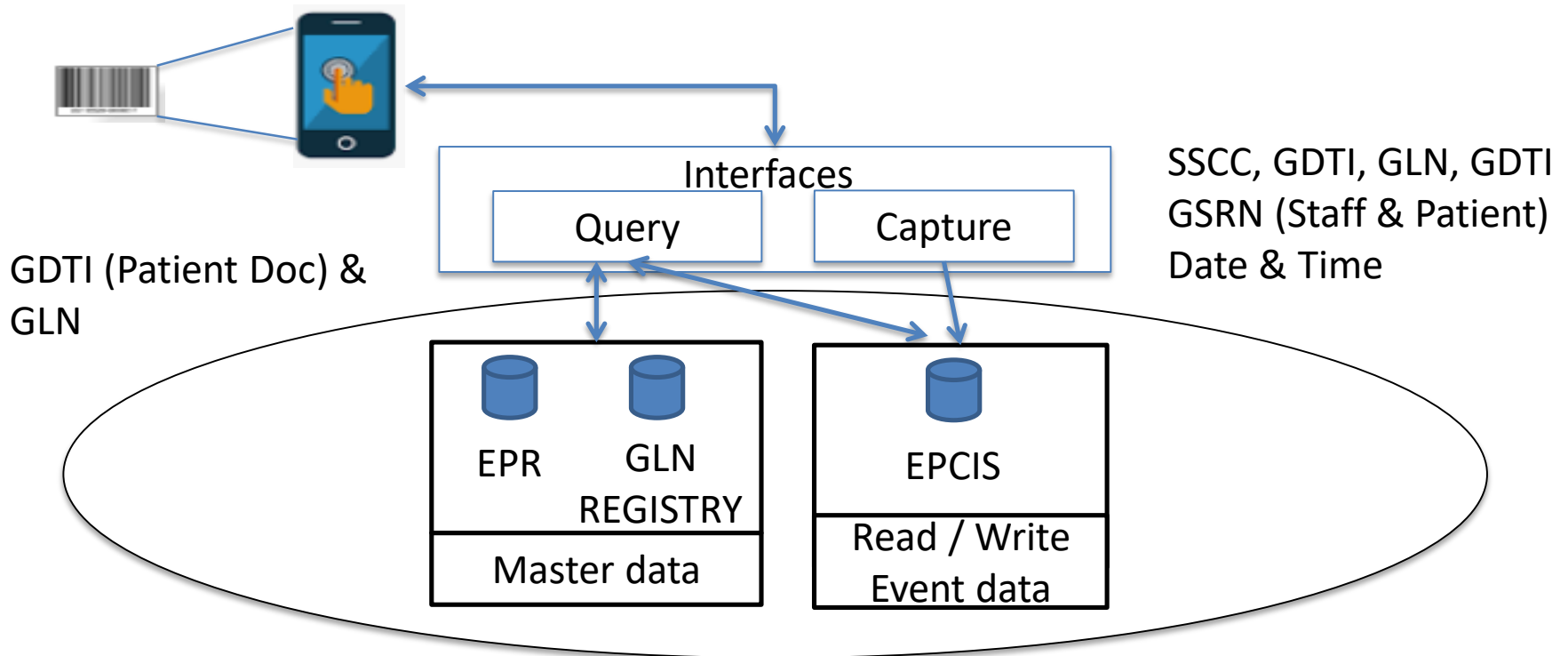
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Use case: Medicines TTA tracking - Future



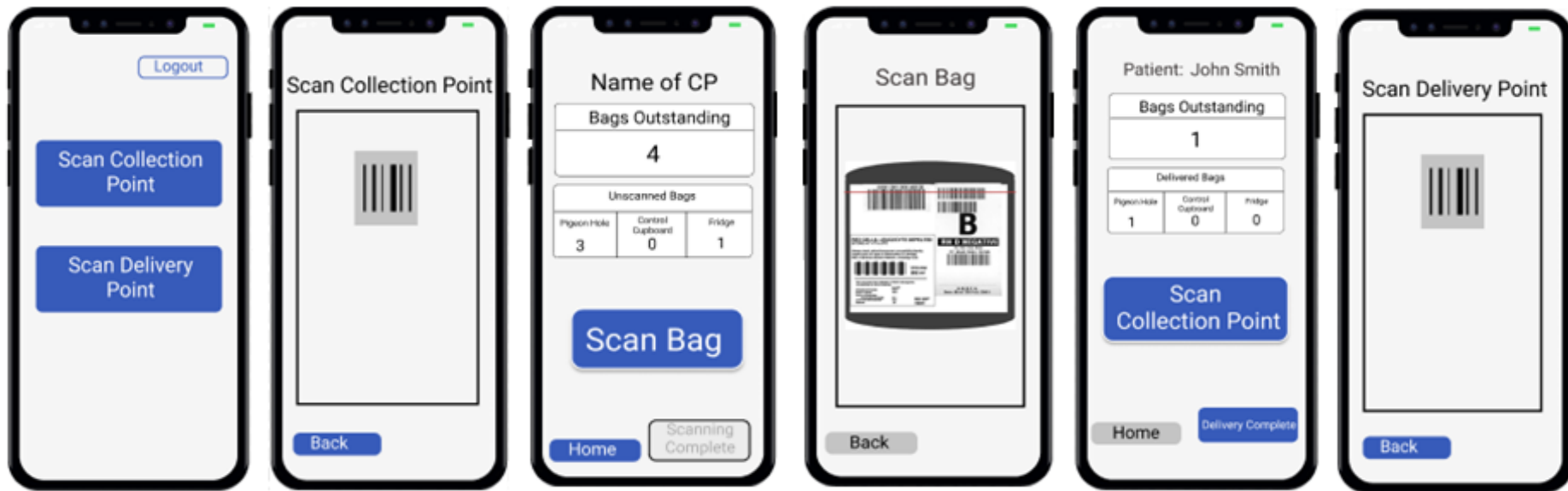
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Use case: Medicines TTA tracking - Future



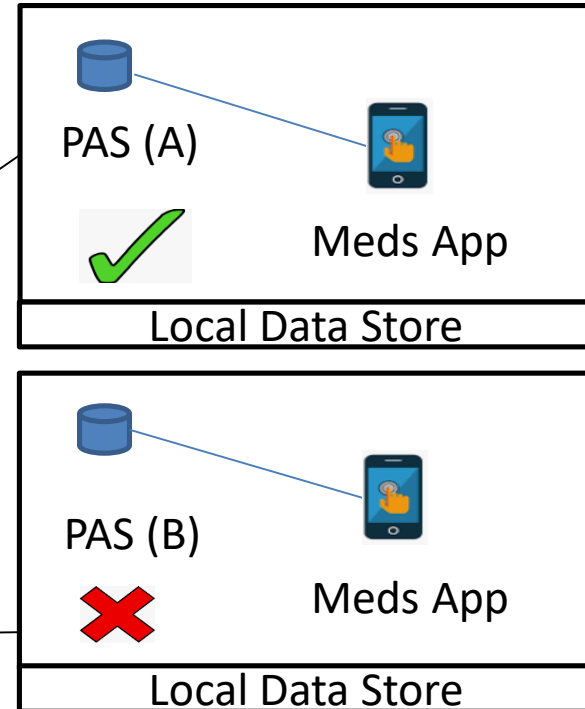
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Use case: Medicines TTA tracking - Future



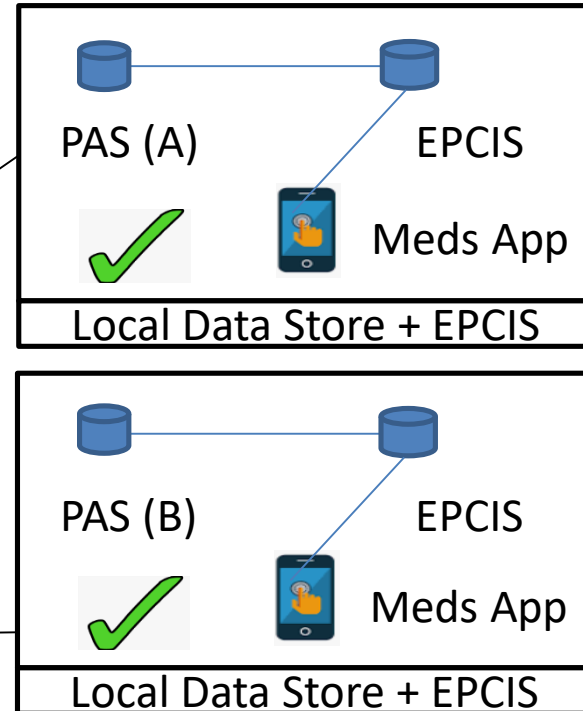
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Sharing ICT Apps - current



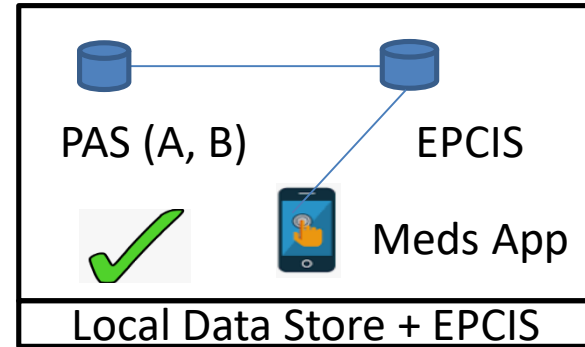
'End-to-end traceability of healthcare products and patient events'

Sharing ICT Apps - future



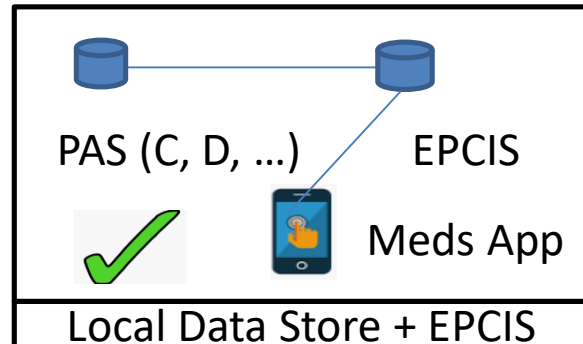
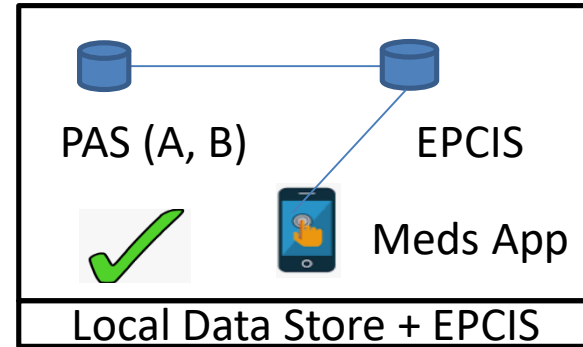
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Sharing ICT Apps - future



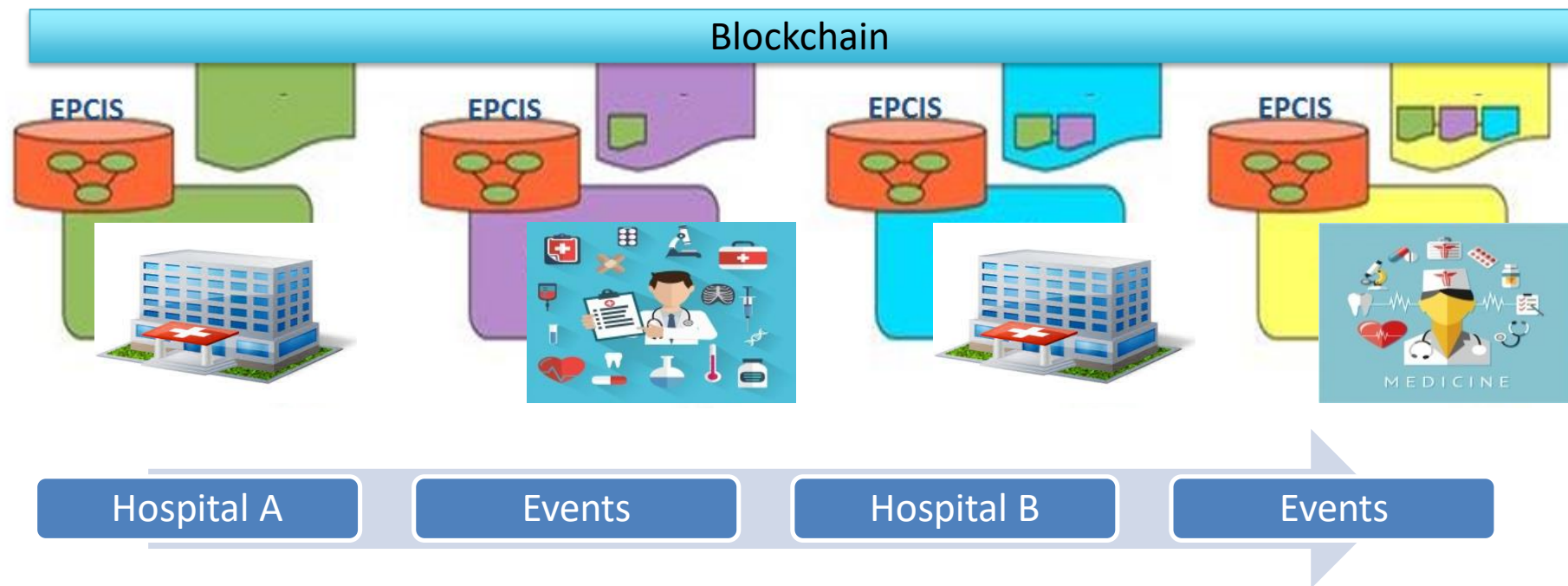
'End-to-end traceability of healthcare products and patient events'

Sharing ICT Apps - future



'End-to-end traceability of healthcare products and patient events'

Sharing event data with other Trusts



'End-to-end traceability of healthcare products and patient events'

What do we need to do next?

- Finalise Meds App
- EPCIS repository
- Trial in house
- Sharing with other trusts???
- Other use cases –
 - MRI (2hrs a week time freed),
 - Implants (national solution?)
- Blockchain development to link up NHS

Thank you for listening

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