GIG CYMRU NHS WALES
Iechyd a Gofal Digidol Cymru
Digital Health and Care Wales

Shared Medicines Record (SMR)

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Shared Medicines Record (Wales)

Gwneud presgripsiynu, rhoi a gweinyddu meddyginiaethau ym mhob man yng Nghymru yn **haws, yn fwy diogel ac yn fwy effeithlon ac effeithiol, a hynny drwy systemau digidol**

Prosiect **Cofnodion Meddyginiaethau** a Rennir
Shared **Medicines Record** Project

Prosiect **Mynediad i Gleifion**
Patient Access Project

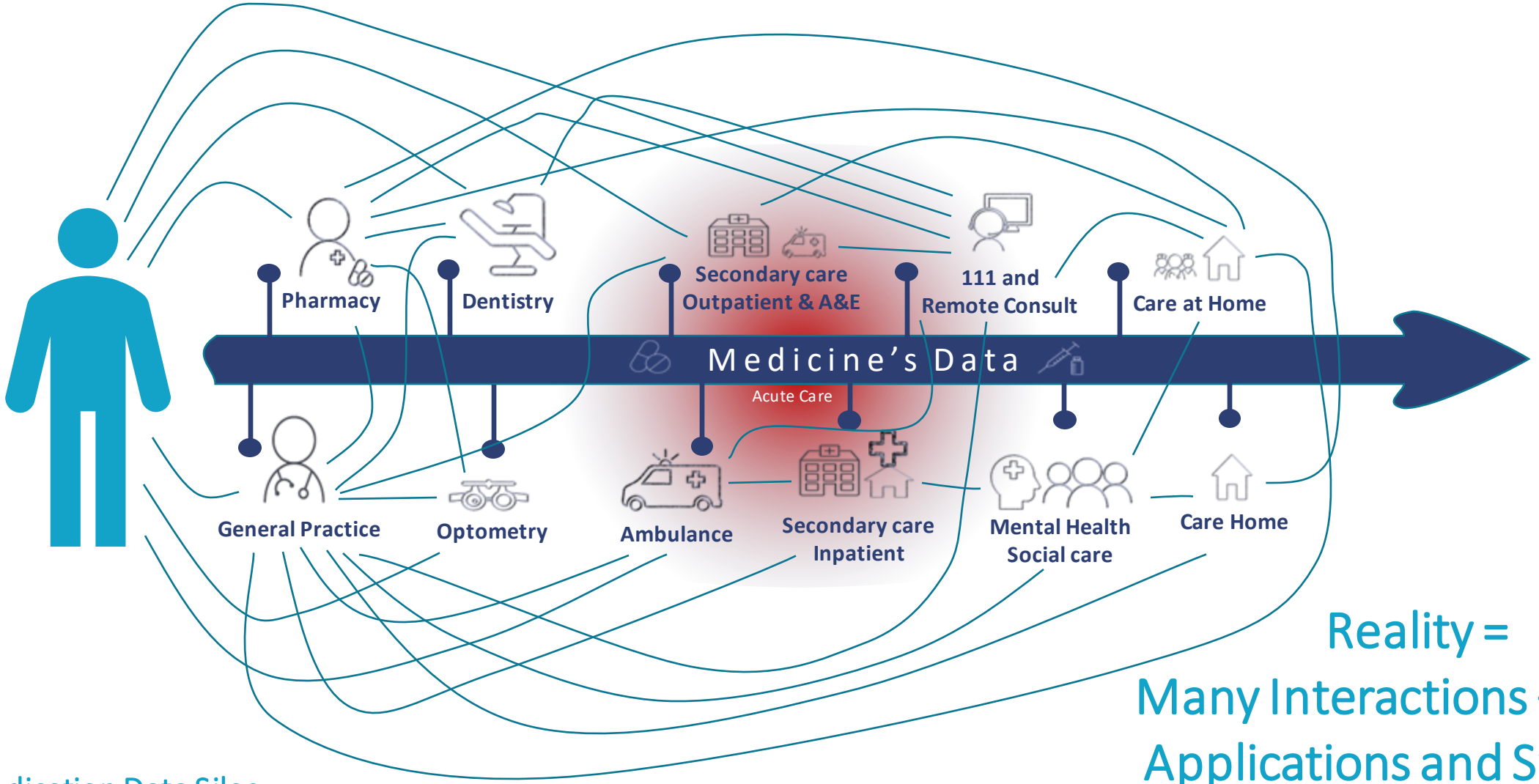
Portffolio Trawsnewid Gweinyddu **Meddyginiaethau'n** Ddigidol
Digital **Medicines** Transformation Portfolio

Rhaglen **Rhagnodi a Gweinyddu Meddyginiaethau** Gofal Eilaidd yn Electronig
Secondary Care Electronic **Prescribing and Medicines Administration** Programme

Rhaglen **Gwasanaeth Rhagnodi Electronig** Gofal Sylfaenol
Primary Care **Electronic Prescription Service** Programme

Making the prescribing, dispensing and administration of medicines everywhere in Wales, **easier, safer, more efficient and effective, through digital**

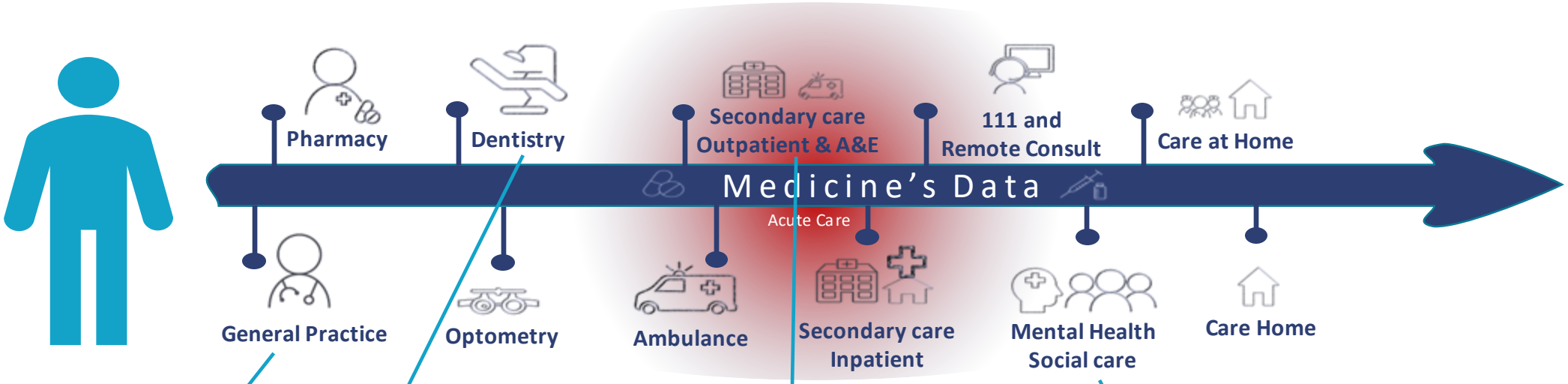
Medication Care Journey: In Reality



Medication Data Silos

Reality =
Many Interactions + Many Applications and Systems
For the SAME patient and the SAME medicines

Medication Care



Co-codamol 8mg/500mg effervescent tablets
Dose Instructions: One To Be Taken Four Times A Day
Date Started: 21-03-2015

Metformin 1g modified-release tablets
Dose Instructions: Take 1 tablet once a day
Date Started: 21-03-2015

Amoxycillin 500mg capsules
Dose Instructions: Take ONE capsule THREE times a day
Indication: Oral infection
Date Started: 02-07-2016

Aspirin 75mg dispersible tablets
Dose Instructions: 75mg – Morning - Oral
Date Started:02-07-2017

Simvastatin 40mg tablets
Dose Instructions: Take ONE tablet each NIGHT
Date Started: 02-07-2017

Haldol Decanoate 100mg/1ml solution for injection ampoules

Give 100mg by intramuscular injection every 4 weeks

Last Administered 06.08.2023

What is in the Shared Medicines Record?

- Centrally held FHIR Store
- Populated by ALL cardinal events from ALL trusted systems by interoperable FHIR messages
  - Prescribe new
  - Stop
  - Dispense
  - Administer
- Relevant information shared digitally at transitions of care
  - Reducing transcription
  - Reducing error
  - Releasing clinician time to care
- Data is transitioned into the NDR, (both pseudonymised and deidentified) and available for secondary uses
  - Research
  - Audit
  - Medicines management

Creating shared medication records

- Revolves around standards
  - Patient identifier
  - Organisation identifier
  - Encounter context
  - User identifier
  - Medicine identifier
  - ‘Meta-data’ codes (dose, etc)
  - Message structures and behaviours (FHIR)

Shared Medicines Record Roadmap

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1 — Sept 23

Federated Access

Shared Medicines Record APIs (Read only) :

1. Read medicines from GP system (N07)
2. Read medicines & allergies from the GP system (N08)

2 — March 24

Persisted Access

- Patient medication & allergy record stored in the standards compliant FHIR store
- Update the National Data & Analytics Platform (NDAP)

Standardised APIs (Read/Write) :

1. Patients medicines (N20)
2. Patients allergies and intolerances (N21)
3. Patients current medicines*
4. Search patients medicines

- View patients medicines and allergies record in a browser

3 — TBC

Key 3rd party systems

Standardised APIs (Read/Write) :

1. Patients' medicines administration (N24)
2. Patients medicines order (N22)
3. Patients medicines dispense (N23)

- Other APIs

Medication redress

4 — TBC

Richer Content

- Open architecture to increase trusted provider systems
- Open architecture to increase trusted consumer systems

Standardised APIs (Read/Write) :

- Patients immunizations

System Suppliers

DHCW/LHB Engineers

Supported by:

- Onboarding processes and artefacts to support consumer and provider system providers
- Available to LHBs and Trusts for integration to their trusted systems

- Dependant on agreed logic
- All APIs must be available via API management platform
- All access is subject to audit
- Standardized API = FHIR (R4)

Back

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Shared Medicines Record Impacted systems

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Priority 1 - Systems

- GP Systems
- ePMA (Start/Stop/Administer)
- WCP (MTeD) Discharge prescription
- WCP
- Welsh Nursing Care Record (WNCR)

Priority 2 - Systems

- Hospital Pharmacy (WHPSMS) - Dispense

Secondary & Tertiary Care

- Emergency Department(WEDS)
- Maternity (procurement 2024)
- Radiotherapy
- Theatres
- Rheumatology
- Welsh Intensive Care Information (WICIS)
- Welsh Patient administration(WPAS)
- Renal (Vital)
- SACT (Chemocare)
- Mental Health
- Diabetes (DCN)
- Home Care
- (Endoscopy/Gastroscopy / Colonoscopy)
- Remuneration (Dispense)

Community & Primary Care

- Community Care (WCCIS)
- Child & young person (CYPRiS)
- Prisons (SystmOne)
- Immunisations (WIS)
- Mental Health (Paris)
- Choose Pharmacy (CAS/DMR/EC/IPS/SGV)
- Sexual Health
- Drug & Alcohol
- Community Prescribers
- Optometry (0% - 6,184)
- Dentistry
- Private Prescriptions (0% - 466)
- Welsh Ambulance (0% - 50)
- Hospital (WP10) (1.2%)
- NHS Wales 111
- Out of hours (Adastra)
- Screening – Adult & Children
- Low vision & eye care
- GP Record (EMIS/Vision) (Start/Stop/Administer) (98.10%)

Wider services

- Social Care
- Care at home
- Care homes (Residential & nursing)
- Private Care
- Hospice

Citizen

- My health online(MHOL)
- PROMS/PREMS
- DSPP (Patient App)

Roadmap to be o be agreed