



Mark Hunt – IT Development Manager 15/03/2022



• 75.216 attendances at

Musgrove Park Hospital's

A&E

#### **ELECTIVE CARE**

 43,4306 patients seen in outpatient

Employs

8.900 staff

POD .

clinics • 43,161 patients had day case admissions

- Purpose-built cancer treatment centre

centre for South West: 156 procedures a year



Somerset **NHS Foundation Trust** 

**Musgrove Park Hospital** 

- 700 inpatient beds
- 16 theatres
- Specialist bariatric surgery

#### **County-wide services**

 4.529 patients seen at 4 dental access centres in Somerset + 3,481 patients seen by primary care dental services at 3 sites in Dorset

### **MENTAL HEALTH & LEARNING DISABILITY SERVICES**

 97.012 mental health outpatient appointments



• 47,250 non-elective admissions

 105,742 attendances at our 7 minor injuries units (11,444 planned and 94,298 unplanned)

 Emergency vascular services for 800,000 people in Somerset, and north & west Dorset

#### **Somerset NHS Foundation Trust**

 CQC rated as Good

 Turnover of £348m in 2019/20

> Broke even in 2019/20 (after PSF)

#### **COMMUNITY SERVICES**

• 287.954 clinic attendances in community hospitals



### 13 community hospitals

commissioned for 190 beds

- 2.397 admissions to community hospitals
- 939,219 patient contacts in non-hospital setting (community clinic, GP surgery or patient's home)
- 87,565 virtual appointments (phone or video)
  - 4 GP practices (list size c.25,000)

### 10 mental health inpatient wards

950 mental health admissions

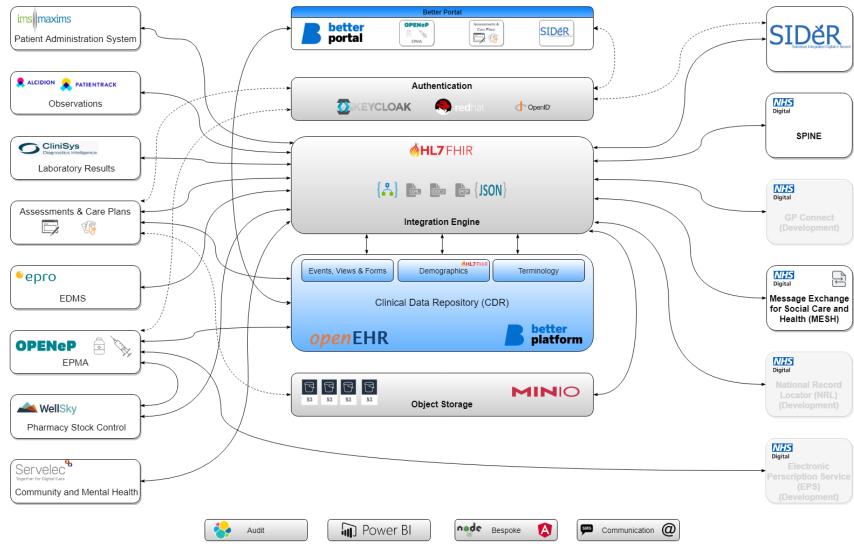


outstanding care listening and leading working together



## Setting the Foundations







# **Specifications and Standards**







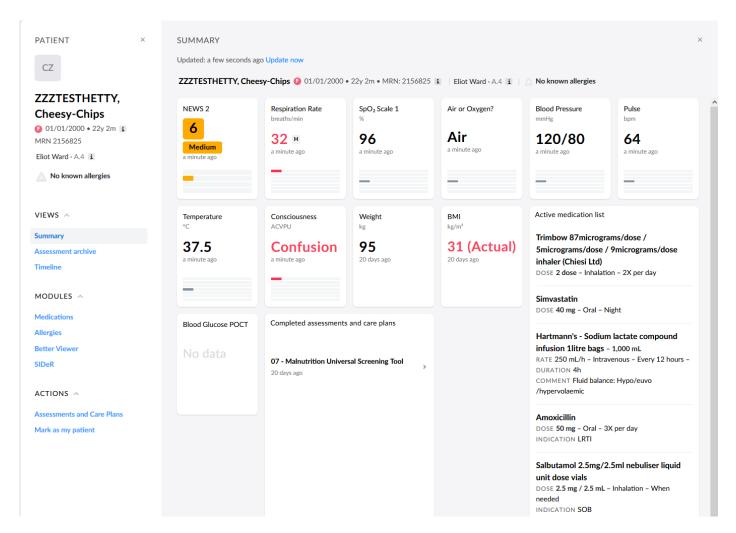
openEHR

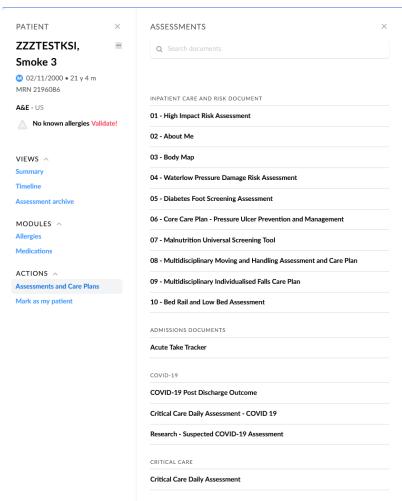




## Clinical Summary and Assessments





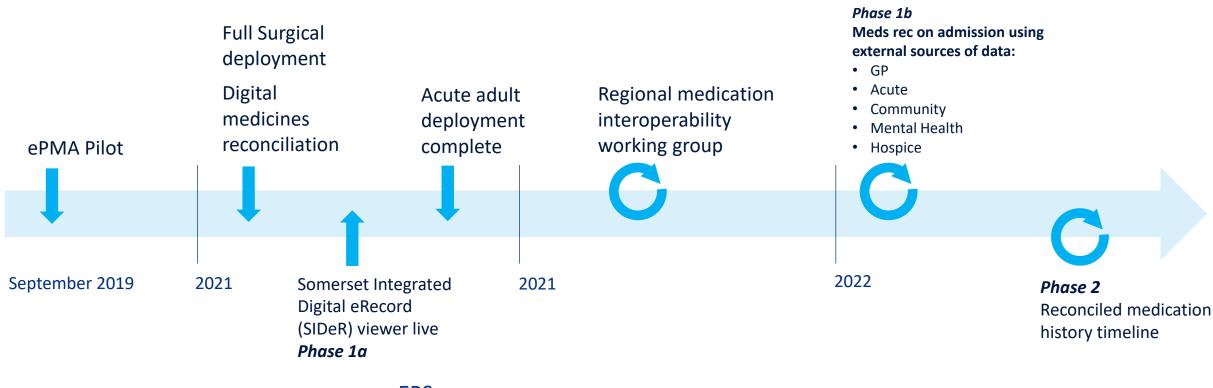


outstanding care listening and leading working together



# Our Journey to Interoperable Meds



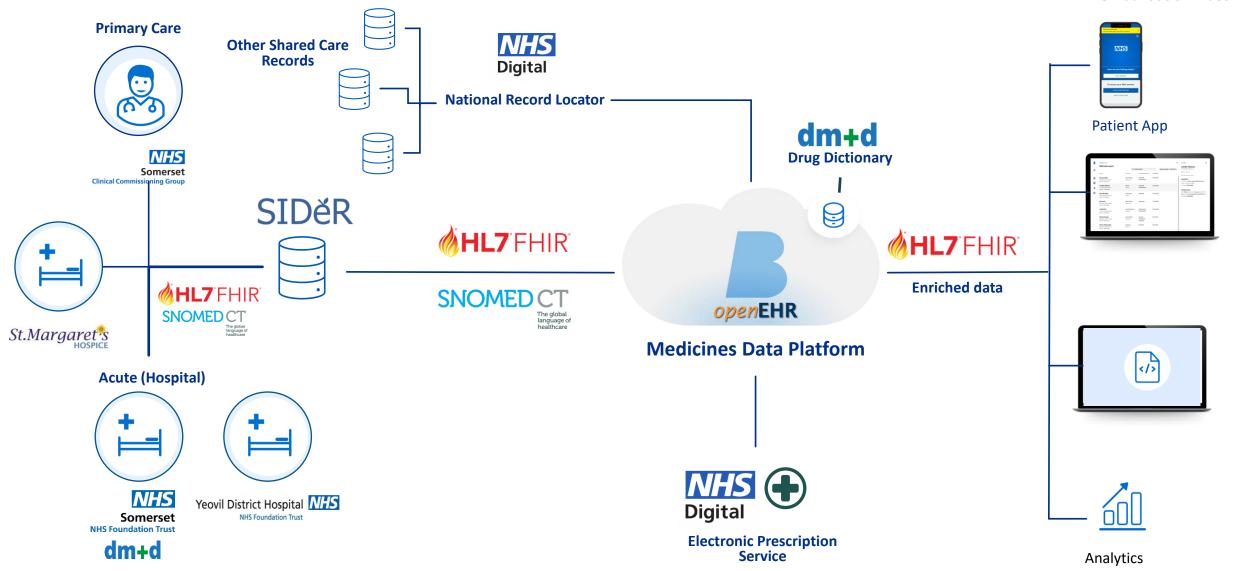


- EPS
- Vendor independent PSC integration
- Somerset System Interoperability
- Medicines Platform



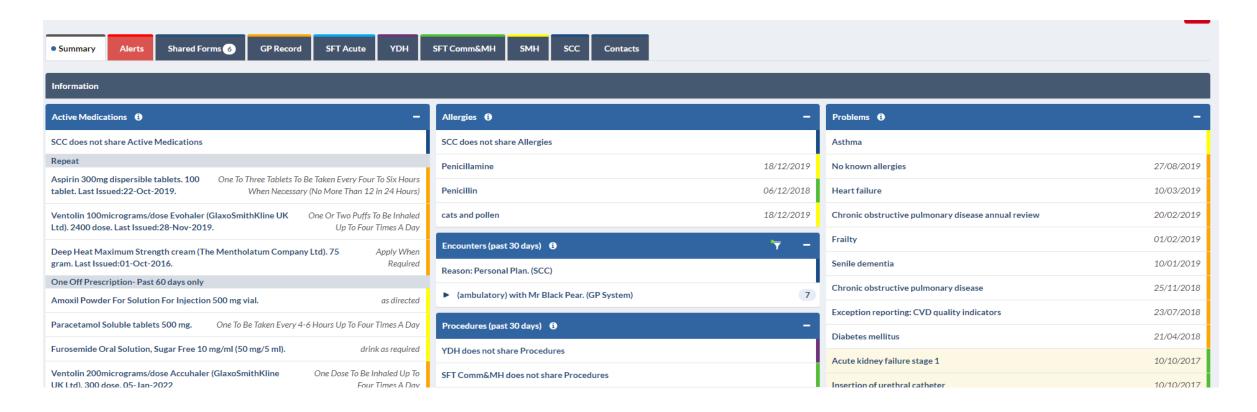
## Interoperable OpenEHR and FHIR Meds





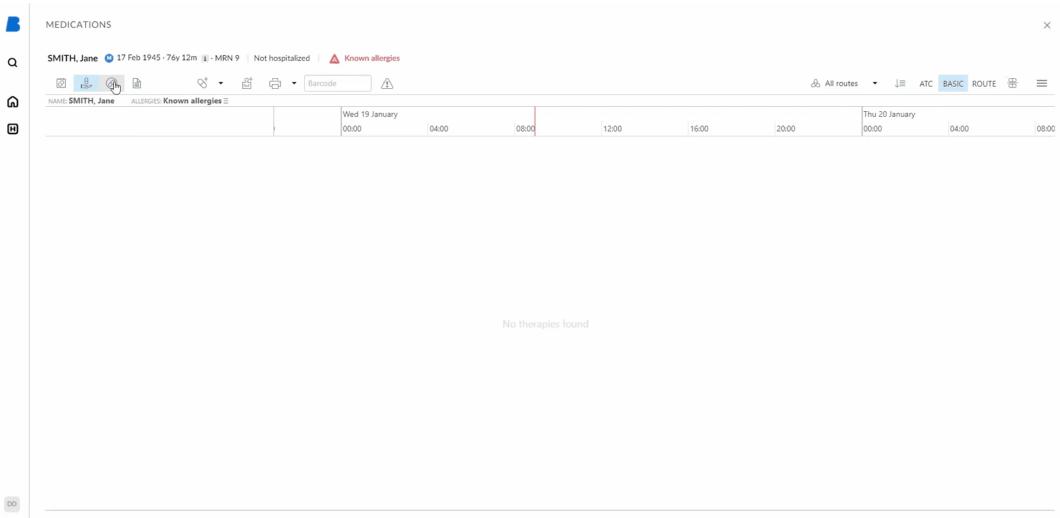
### SIDeR Realtime FHIR Based Viewer





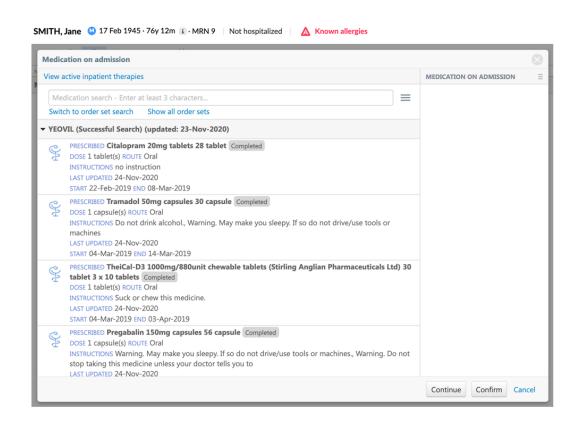
### **Medication Reconciliation**

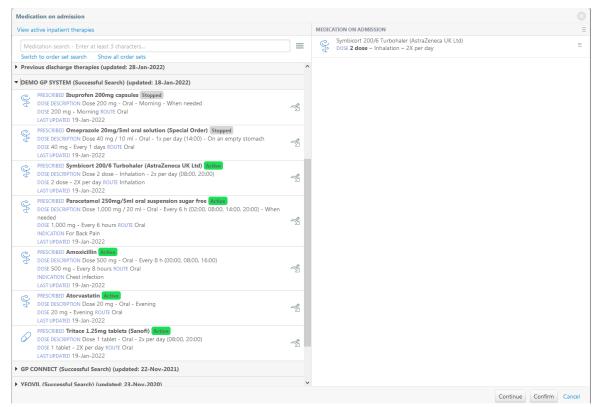




### **Medication Reconciliation**











## **Clinical Safety**





Clinical Safety Hazard Log - FHIR Integrated Medicines on Admission - SIDeR			
Programme	Digital Medicines	Document Record ID Key	
Sub-Prog / Project	Clinical Safety	NPFIT-FNT-TO-TOCLNSA-0443.09	
Prog. Director		Status	DRAFT
Owner		Version	0.1
Author	David Chalkley Leo Martin-Scott Beverley Davies	Version Date	09/12/2021

### Clinical Safety Hazard Log - FHIR Integrated Medicines on Admission - SIDeR

#### **Document Purpose**

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- Clinical validation
- Scenario testing
- Small scale pilots and iteration on configuration



# Challenges



- Completeness of data structure
  - Dose syntax
  - Medication status
- Data quality
- Terminology use and alignment
  - dm+d
  - SNOMED
- UI/UX
  - User interpretation
- Completeness of data
- Providers / settings /scenarios

### Where next?



- Building on Clinical Data Repository Data feeds
- Shared Medications phase 2 Consolidated Data
- Transfer of Care
- FHIR Integrations with other Shared Records
- PHR



