

Technology Enabled Living

7th Nov 2017, Warrington

Workshop #2

Digitalising Transactions

NHS Digital & SymConnect

Workshop #2

Digitalising Transactions



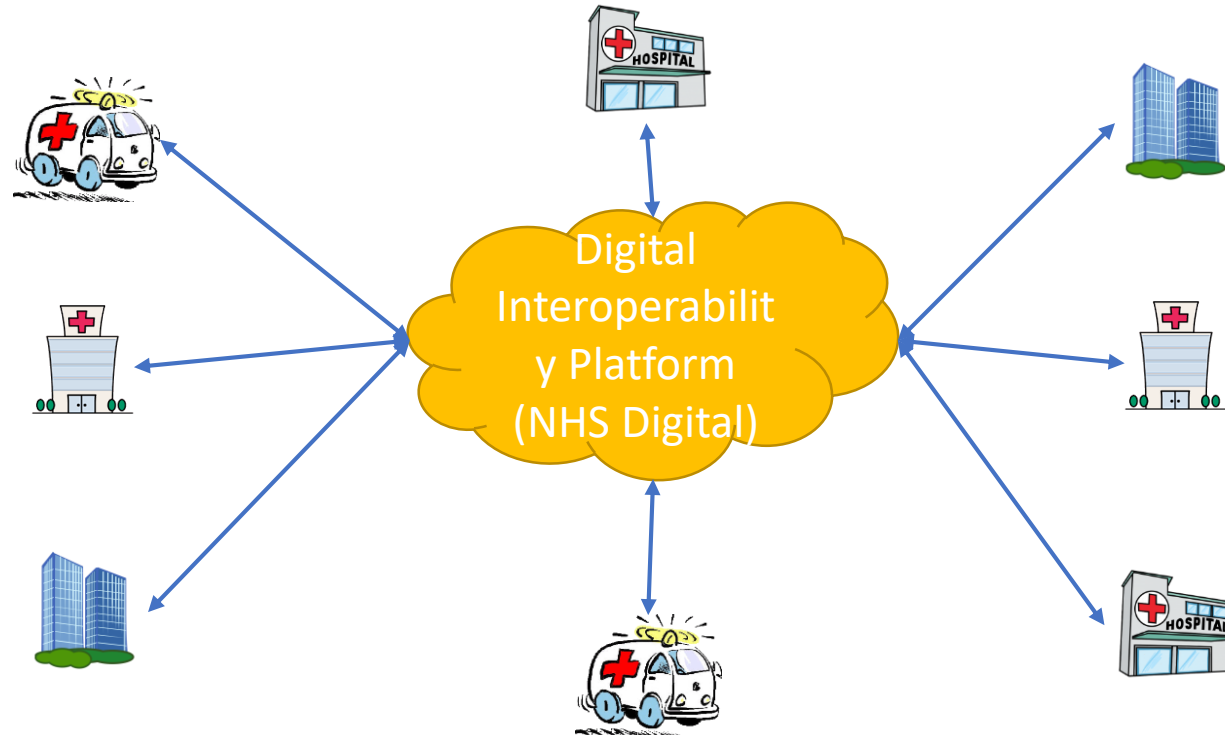
Information and technology
for better health and care

Jonathan Leadbeater

NHS Digital – Digital Interoperability Platform (DIP)

NHS Digital recognise the need for wide spread innovative capabilities to facilitate:

- Integrated care
- Cross boarder interoperability (patient being at the centre, not repeating their story)
- Partnership working across the sector (Health and care organisations, system suppliers, national bodies, etc)



DIP Example - The Event Management Service

- Born out of the solutions detailed in the NHS England and National Information Board November 2016 strategy “Healthy Children: Transforming Child Health Information”
- Aim of the strategy
 - Knowing where every child is and how health they are
 - Appropriate access to information for all involved in the care of children
- Via the DIP support the national brokering of child health events in the “healthy child care pathway” between supplier systems via a publish subscribe interoperability pattern.
- Transmitting in real time the patient event information to the relevant health care professionals

New information services for professionals

'I want to have accurate, up to date information when I need it'

'I want to be alerted if there is a significant issue with a child under my care'



Professionals

New information services for public health

'I want to have high quality, relevant, reliable information to assess the health of the population'

'I want to be able to reach individuals in a population easily in the event of public health concerns'



Public Health

What are the challenges?

Challenges we've identified are (these are the current challenges we've identified and face):

- Standards (HL7 FHIR)
- Policy (IG & GDPR)
- Clinical safety
- Adoption of solutions
- Cross / multi supplier integration
- Cultural transformation
- Local vs national
- Uptake of new technology and education

Are these correct?



Examples in Practice (Problems)



Problem #1

- Domiciliary health visitor – health visitor attending a patient at their home address. At the patients address there is no 3G/4G or WIFI connections available. How does the health visitor update the patients record electronically without reverting to paper?

Problem #2

- Maternity health visitors – health visitor attends patient's address to perform post maternity checks on mother and child. How does the health visitor update electronically both the mother's and child's record? How can we support patient activation by sharing the child's and mother's record with the parents (mother and father) electrically?

Discussions

Bryan Griffiths

Jonathan Leadbeater

Sabarna Mukhopadhyay



Simply Connecting People Systems & Organisations

Efficient care-monitoring with multiple NHS providers *is challenging...*
That's why you need *software that isn't!*



Ideal Solution

- ✓ A **simple** yet **dynamic** system with minimal learning curve
- ✓ Access all documents **anytime anywhere**
- ✓ Single-Input Multiple-use of **information**
- ✓ **Sharing relevant information on-demand**
- ✓ **Empower Patients** self-input digitally
- ✓ **Goal** to Improve, Quality of Care, time & cost efficiency

Information Availability

Clinic Consultation



Home Visits
Community Care



IG compliance

Poor Connectivity

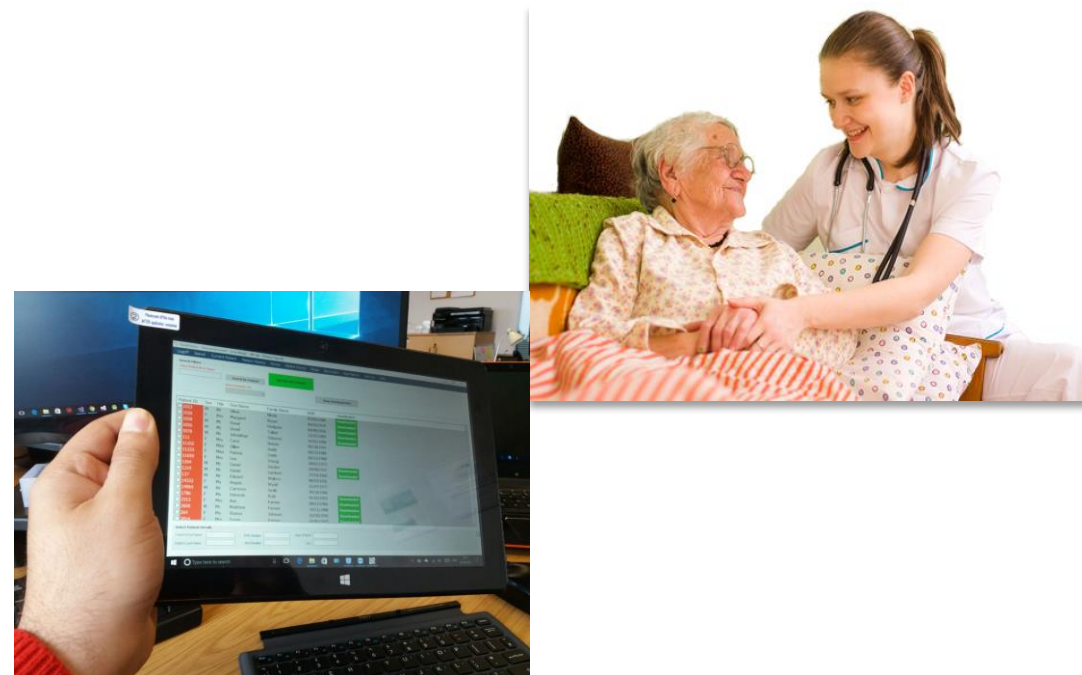
Reliability

Offline Secure Access



**Clinic
Consultation**

Home Visits Community Care



<http://www.symplconnect.com/dynaforms-2>

Single Patient View – secure access to all documents

Current Patient: David Warner ID: 1024 - [Past Attachments]

Logoff Search Current Patient Patient History Forms Patient Forms Notes Reminders New Record Settings Help

Displaying Attachment

Date	Attachment	Status
12/06/2017	Mr Symconnect Symconnect	Status
CPAMS-GP-Referral-Form_102...	CPAMS-GP-Referral-Form_1024_12-06-2017.pdf filed 12/06/2017	Downloaded
05/06/2017	Mr Symconnect Symconnect	Status
CPAMS-GP-Referral-Form_102...	CPAMS-GP-Referral-Form_1024_05-06-2017.pdf filed 05/06/2017	Downloaded
12/05/2017	Mr Symconnect Symconnect	Status
mental-health-referral-form_10...	mental-health-referral-form_1024_12-05-2017.pdf filed 12/05/2017	Downloaded
04/05/2017	CPAMS-GP-Referral-Form_102...	Status
CPAMS-GP-Referral-Form_102...	CPAMS-GP-Referral-Form_1024_04-05-2017.pdf filed 04/05/2017	Downloaded

General Consultation & Vital Sign Records

Current Patient: David Warner ID: 1024 - [General Consultation]

Logoff Search Current Patient Patient History Forms Patient Forms Notes Reminders New Record Settings Help

Choose a section

BMI

Height: 180cm

Weight: 55kg

Ideal Weight: 73.4kg

BMI: 17.0

Notes

Save

Recorded history

ReadCodes	Description	Value	Date
22K..	Body mass index	23.4	12/06/2017
22A..	O/E - weight	75	12/06/2017
229..	O/E - height	179	12/06/2017
22K..	Body mass index	22.2	12/05/2017
22A..	O/E - weight	71	12/05/2017
229..	O/E - height	179	12/05/2017
1371.	Never smoked tobacco	00	28/08/2001
22K..	Body mass index	29.38	28/08/2001
22A..	O/E - weight	80	28/08/2001
1371.	Never smoke		
22K..	Body mass index		
22A..	O/E - weight		
229..	O/E - height		
1371.	Never smoke		
22K..	Body mass index		
22A..	O/E - weight		
229..	O/E - height		

Easy view of Past records for comparison and informed decision making

Auto-calculate & flag up standards/threshold

Simple data completion with auto-populated customised look

Harbourside Health Centre
Beacon Centre for Health
Landon Road
Swansea Waterfront
Swansea SA1 8QY

Annex B

Initial Resident Review

Residents Name: Florence Cunningham D.O.B.: 06/03/1971

Nursing/Residential Home: Gwyneth Care Home

Lead GP or Cluster Lead Dr. Sandar Hlaing

Date of assessment: 31/07/2017

Mental State Assessment ? MMSE Yes Other.

Mini Geriatric Depression Score or 6CIT or similar would be accepted. Yes

Current Medical Problems Knee fractures

Systems Review - problems identified Review has been done and completed. Problem identified, wound under chin.

Examination findings To be completed

Specific additional areas N/A

Mobility	Bedbound	Refer to physio. , Contact reception.
Falls assessment	Risk assessment Undertaken Yes	Refer to fall clinic. , Contact nurse.

Auto- Scoring & Logics

Current Patient: David Warner ID: 1024 - [Patient Health Questionnaire (PHQ-9) Form - Current Patient: David Warner]

Logoff Search Current Patient Patient History Forms Patient Forms Notes Reminders New Record Settings Help

Patient Health Questionnaire (PHQ-9)

Patient Name: David Warner

Please carefully read and answer all questions in this form, one by one.

A. Over the past 2 weeks, how often have you been bothered by any of the following problems?

	Not at all 0	Several days 1	More than half the days 2	Nearly every day 3
1. Little interest or pleasure in doing things	☒	☐	☐	☐
2. Feeling down, depressed or hopeless	☐	☒	☐	☐
3. Trouble falling asleep, staying asleep, or sleeping too much	☐	☐	☐	☒
4. Feeling tired or having little energy	☐	☐	☒	☐
5. Poor appetite or having little energy	☐	☒	☐	☐
6. Feeling bad about yourself - or that you're a failure or have let yourself or your family	☐	☒	☐	☐
7. Trouble concentrating on things, such as reading the newspaper or watching	☐	☐	☐	☒
8. Moving or speaking so slowly that other people could have noticed. Or, the opposite - being so fidgety or restless that you have been moving around a lot	☐	☒	☐	☐
9. Thoughts that you would be better off dead or of hurting yourself in some way	☐	☐	☐	☒

Total Score = 15

Show scale on PDF Show score on PDF

B. If you checked off any problems, how difficult have those problems made it for you to Do your work, take care of things at home, or get along with other people?

☐ Not Difficult at all ☒ Somewhat difficult ☐ Very difficult ☐ Extremely difficult

GeneratePDF Cancel

Depression Severity: 0-4 none, 5-9 mild, 10-14 moderate, 15-19 moderately severe, 20-27 severe.

Active WARNER, David (Mr) Born 23-Jul-1932 (84y) Gender Male NHS No. 262 807 9270 Usual GP BURNS, Robert (Dr)

Date Navigator

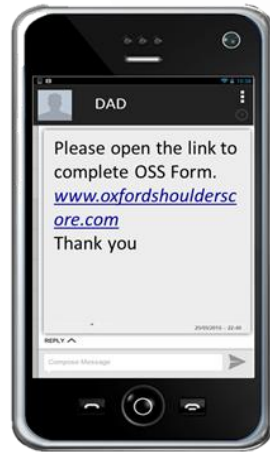
- 2017 (4)
 - May (4)
 - 12th: [SM] Home Visit
 - 12th: [SM] Home Visit
 - 12th: [SM] Home Visit
 - 4th: [SM] Home Visit
 - Mar (1)
 - 28th: [15103] Main Surgery (EMIS PCS Test Practice 2)
 - 2001 (27)
 - Sep (5)
 - 13th: [B368B] General Practice Surgery (EMIS PCS Test Practice 2)
 - 13th: [15103] Main Surgery (EMIS PCS Test Practice 2)
 - 6th: [B368B] General Practice Surgery (EMIS PCS Test Practice 2)
 - 6th: [15103] General Practice Surgery (EMIS PCS Test Practice 2)
 - 4th: [15103] Main Surgery (EMIS PCS Test Practice 2)
 - Aug (10)
 - Feb (1)
 - Jan (11)
 - 2000 (16)
 - 1999 (2)

Date	Consultation Text	
12-May-2017	Home Visit	SYMLCONNECT, Symconnect (Mr)
	Problem: Comment This is a test note This is a test note	
12-May-2017	Home Visit	SYMLCONNECT, Symconnect (Mr)
	Additional: Attachment mental-health-referral-form_1024_12-05-2017.pdf filed 12/05/2017	
12-May-2017	Home Visit	SYMLCONNECT, Symconnect (Mr)
	Values: Height 179 cm 179 Weight 71 Kg 71 Body mass index 22.2 kg/m2 22.2	
	Problem: Comment BMI notes - BMI notes -	
	Additional: Attachment Attachment from DF Plus Form automatically attached	
	DF+ Record: PHQ-9 Form Score: 16	
	Additional: Attachment Attachment from DF Plus Form automatically attached	
04-May-2017	Home Visit	SYMLCONNECT, Symconnect (Mr)
	Additional: Attachment CPAMS-GP-Referral-Form_1024_04-05-2017.pdf filed 04/05/2017	
28-Mar-2003	Main Surgery (EMIS PCS Test Practice 2)	BURNS, Robert (Dr)
	Problem: Type 2 diabetes mellitus (Review)	
	Medication: Simvastatin Tablets 20 mg 28 tablet TAKE ONE DAILY	
13-Sep-2001	General Practice Surgery (EMIS PCS Test Practice 2)	HERBERT, Victoria (Mrs)
	Result: HbA1c level (DCCT aligned) Discussed with patient HbA1c level (DCCT aligned) 7.3 % total Hb	
13-Sep-2001	Main Surgery (EMIS PCS Test Practice 2)	BURNS, Robert (Dr)
	History: Carbocisteine Syrup 250 mg/5 ml sls - 10 ml, tds 2*300 ml	
	Test Request: HbA1C	
06-Sep-2001	General Practice Surgery (EMIS PCS Test Practice 2)	HERBERT, Victoria (Mrs)
	Result: Urine albumin:creatinine ratio Normal - No Action Urine albumin:creatinine ratio 1.9 mg/mmol (creat) Urine creatinine 8.3 mmol/L Urine microalbumin 15.4 mg/L	
06-Sep-2001	General Practice Surgery (EMIS PCS Test Practice 2)	BURNS, Robert (Dr)
	Empty consultation	
04-Sep-2001	Main Surgery (EMIS PCS Test Practice 2)	BURNS, Robert (Dr)
	History: HbA1c level (DCCT aligned) Continue to improve	
	Medication: Levothyroxine Sodium Tablets 25 micrograms 28 tablet(s) TAKE ONE DAILY	
	History: Check U&E today please	
	Comment: Diarrhoea on and off for 3 weeks with abdo cramps.No blood and no recent travel	
28-Aug-2001	Main Surgery (EMIS PCS Test Practice 2)	HERBERT, Victoria (Mrs)
	Examination: Diabetic monitoring • O/E Blood Pressure Reading 139/62 mm.Hg • O/E - weight 80 Kg • Body Mass Index 29.38	

Problems

Secured Remote Communication

Person at Home



Clinician /
Service Provider





Community Midwife

SymConnect Maternity

← Carol Hughes, No. 4009220, Age: 37 years, Gestation: 29 weeks
03/11/2017 11:43:07, Midwife A



Summary 1

Personal Details

Your Details
Telephone Numbers
When is my Baby Due
Key Contacts

Medical Information 2

Medical History

Antenatal Screening

Past Pregnancies

Gestation

Gestation 25 weeks
Gestation 28 weeks
Gestation 36 weeks
Gestation 40 weeks
Gestation 41 weeks

Consultations & Admissions

Consultations
Consultations
Management Plan

Fetal Movements

Discussion Topics

Your exposure to Carbon Monoxide

Mobile Tel No:

Relation:

Medical Information

Medical History

Do you have or have you had

Allergies

☒ Yes ☐ No

Details: Allergic to Penicillin

☒ Show as Alert

Medical History \ Allergies
Allergic to Penicillin

☒ Show in Summary

Asthma or chest problems

☒ Yes ☐ No

Details:

Bladder problems

☐ Yes ☒ No

Bowel problems

☐ Yes ☐ No

Cardiac Problems

☐ Yes ☐ No

Diabetes

☐ Yes ☐ No

Type here to search



My Mat Rec

Name

Carol Hughes

MaidenName

Wren

LikesToBeCalled

Carol

AddressLine1

1, High Street

AddressLine2

Colwyn Bay

PostCode

LL29 7AD

HomeTelephone

01492 655943

DateOfBirth

14/12/2016

NHSNumber

4009220

UnitNumber

83392

MaidenName

Wren

My Mat Rec

ADD

all ok

07-09-2017 15:28

alert

05-11-2017 17:21

Thank you.

For more information and a demonstration please contact:

info@symlconnect.com

www.symlconnect.com

01792 60 6525

