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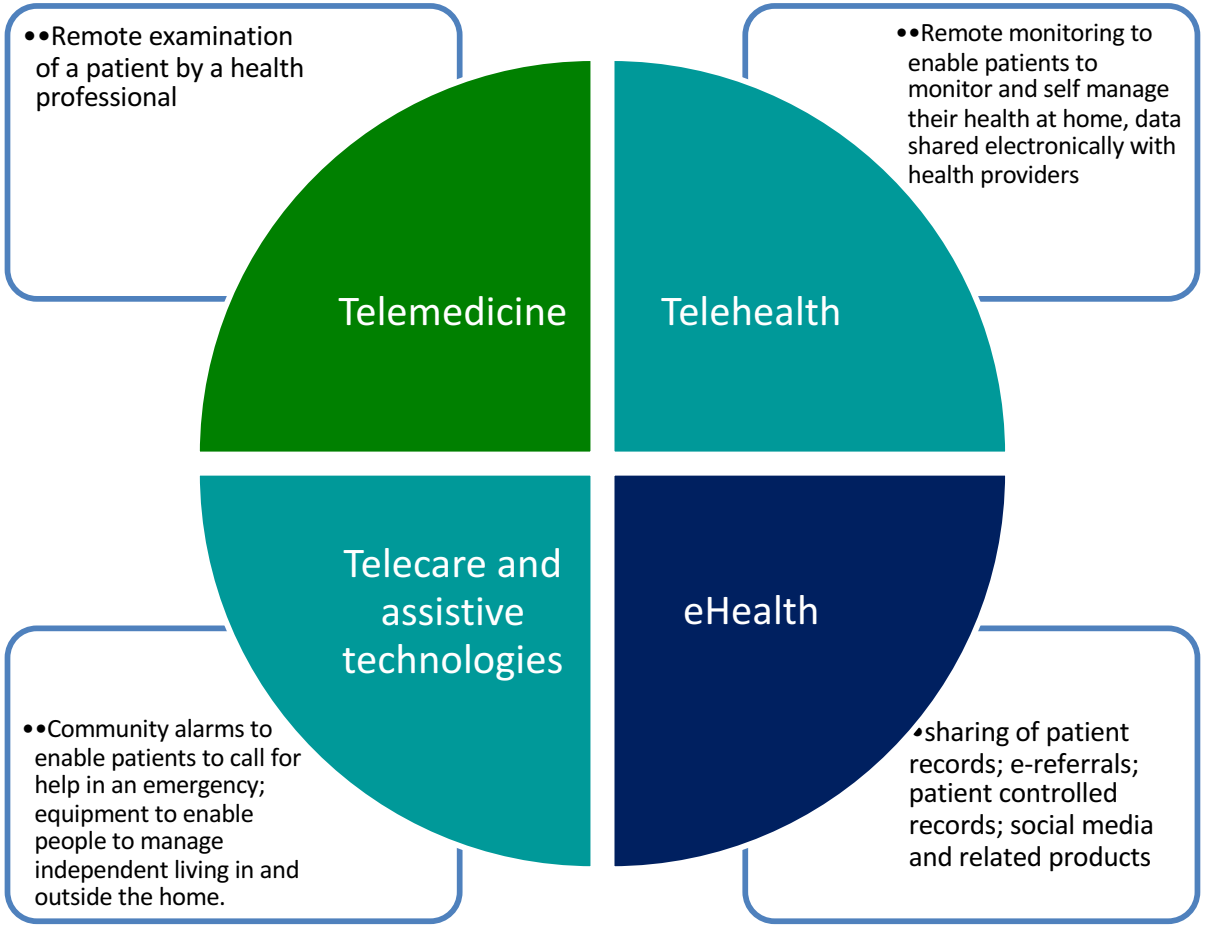
Cumbria Rural Health Forum 16th Sep 2014

Mapping of digital health projects in Cumbria

J-Lyn Khoo

Digital health - definitions



Overview

- First template document sent in May 2014
- 23 responses

- Second template document sent in August 2014
- No responses

	Items
Telemedicine	8
Telehealth	6
Telecare & Assistive Technologies	5
eHealth	4

Digital applications in health and social care

	Telemedicine	Telehealth	Telecare & Assistive Technologies	eHealth
All health conditions	1	3	1	2
Fetal medicine	1			
LONG TERM CONDITIONS				
Rheumatology & Orthopaedic	1			
Stroke	2			
Renal	1			
Chronic fatigue syndrome (CFS) / ME	1			
Cancer	1			
Breathe* for patients		1		
COPD/heart failure		1		

	Telemedicine	Telehealth	Telecare & Assistive Technologies	eHealth
Home Dietary Intake monitoring		1		
Teledispenser		1		
ELDERLY CARE				
Carers		1	1	
Assisted living (Community alarms)			1	
Assisted living (Safewalking)			1	
Dementia /mental health			1	
Emergency / out of hours	1			
Online support/webchat (eating disorders)				1
Online support/information (Patient Memoirs)				1

Telehealth

Ongoing	Ended	Early/about to start
Remote health monitoring via text messaging – Florence	Brea+he project for COPD – 40 clients, nov 2009 – Apr 2010	PhysioDOM Telecare – digital platform providing daility guidance and support for long time carers of elderly people
COPD/heart failure	Teledispenser – 2010, 2013	

Telemedicine

Ongoing	Ended	Early/about to start
Stroke – out of hours stroke thrombolysis telemedicine service	Support via videoconferencing for patients with CFS/ME	Rheumatology & Orthopaedic
Stroke – Speech and Language Therapy		Fetal telemedicine

Telecare & Assistive Technologies

Ongoing	Ended	Early/about to start
Community alarms for assisted living	-	-
Telecare devices/monitoring (for risk management)	-	-
Just Checking (assessment tool)	-	-
Stand Alone Assistive Technology devices (telesupport for carers) – currently on trial (to finish in September 2014)	-	-
Safe Walking (also on trial to finish in September 2014)	-	-

eHealth

Ongoing	Ended	Early/about to start
STRATA eHealth – software system	ANIS webchat	Patient testing technology
Patient memoirs – online information and support for patients	-	-

This is where we are for now

Telemedicine	Application / description	Location	Number of units/users	Dates	Delivery
Telestroke	Out of Hours Stroke Thrombolysis Telemedicine Service for stroke patients	Across Cumbria, Lancashire and Southport	8 telecare carts (14 stroke consultants)	2013 ongoing	Lancashire Teaching Hospitals NHS Foundation Trust**
Teletherapy	Speech and Language Therapy (SLT)	Lancashire and Blackpool	272 patient practice hours	2013 ongoing	Blackpool Victoria Hospital**
Telemedicine	Remote consultation	Penrith Hospital and Alston Hospital	2 units	?	Cumbria Partnership NHS Foundation Trust (CPFT) / Cumbria Health On Call (CHOC)
Telemedicine	Management pathway for patients in emergency situations, giving advice and treatment for minor injuries Remote consultation for patients in elective situations for musculoskeletal conditions [Rheumatology and Trauma and Orthopaedics (T&O)] Provision for follow-up and quality assurance review of patients following elective joint replacement surgery	West Cumberland Hospital, Cumberland Infirmary and 7 cottage hospitals in North Cumbria with plans of future expansion to the Northumbria area (3 district general hospitals and 14 cottage hospitals)	25 doctors / nurses in T&O	Aug 2014	North Cumbria University Hospitals NHS Trust
Teledialysis	Renal home dialysis	Lancashire and South Cumbria	? 6 patients	2013 ongoing	Lancashire Teaching Hospitals NHS Foundation Trust**
Teletherapy	Therapy supervision for patients with chronic fatigue syndrome (CFS) / myalgic encephalomyelitis (ME)	Cumbria	?	2009 ongoing	Keswick Community Hospital**
Cancer Networks Multi Disciplinary Team (MDT)	Provision of MDT capability for patients Provision of face to face MDT	Lancashire and South Cumbria	N/A	2013 ongoing	Lancashire Teaching Hospitals NHS Foundation Trust

Telehealth	Application / description	Location	Number of units/users	Dates	Delivery
Florence™ (Flo) telehealth service	Remote heath monitoring via text messaging (i.e. blood pressure monitoring, medication reminder, inhaler reminders for carers of patients or patients with asthma and COPD) smoking cessation support and health management for patients)	Cumbria wide service	? medical practices/surgeries	2012 (in Cumbria)	NHS Stroke-on-Trent CCG / Mediaburst
Breathe for patients	Digital platform providing daily guidance and support for long time carers of elderly people	Alston Moor and North Cumbria	30 clients	Aug 2014 – Mar 2016	Alston Healthcare
Breathe* for carers	Telehealth monitoring for health indicators and advice (e.g. blood pressure, heart rhythms, heart rate, levels of sugar and oxygen in the blood)	North Cumbria	40 clients	Nov 2009 – April 2010	Alston Healthcare
Teledispenser*	Medication dispensers to prompt patients to take their medication	Cumbria wide service	20 units	2010, 2013	Cumbria County Council

Telehealth	Application / description	Location	Number of units/users	Dates	Delivery
PhysioDOM®	Home Dietary Intake Monitoring (HDIM) (weight, lean/fat ratio and physical activity)	Alston Moor and North Cumbria	250 clients	Sept 2014	Alston Healthcare
Telemonitoring	Telehealth monitoring for Chronic obsessive pulmonary disease (COPD) and heart failure Support and technical triage to clients	Barrow	36 units	Jan 2014 – Jan 2017	Cumbria Partnership NHS Foundation Trust (CPFT)** / Tunstall

TELECARE AND ASSISTIVE TECHNOLOGIES					
	Application / description	**Location**	**Number of units/users**	**Dates**	**Delivery**
Community Alarms	Risk management associated with independent living at home for people eligible for long term support, receiving short term reablement services and people with lower level preventative needs	Cumbria wide service	1650 clients as part of Cumbria County Council's Telecare services 3500 clients with independent providers	? ongoing	Adult Social Care (ASC), Health and Care services, Cumbria County Council / VNC Lifeline / Age UK / Community Alarms South Lakeland / Eden Community Alarms/ Riverside / County Careline / Eden Housing Association / Tunstall / VNC Lifeline
Telecare	Equipment for risk management	Same one as community alarms?	1650 clients via ASC 200 via community alarms	Oct 2011 ongoing	Cumbria County Council / VNC lifeline
Just Checking	Temporary instalment (up to 6 weeks) of movement and door sensors to assess clients' needs (most often used with people with dementia or learning disabilities) Provides evidence to support decisions as to whether a person could be supported at home or require residential care	Cumbria wide service	25 units (at any one time)	2011 ongoing	Adult Social Care (ASC), Health and Care services, Cumbria County Council
Stand Alone Assistive Technology (SAAT)	Telesupport for carers of people with dementia living at home – carers carry a pager which alerts them to risks in the home (e.g. if the person leaves the house, chair or bed unsupported)	Cumbria wide service	20 clients	Feb 2014 – Sept 2014	Adult Social Care (ASC), Health and Care services, Cumbria County Council

TELECARE AND ASSISTIVE TECHNOLOGIES					
	Application / description	**Location**	**Number of units/users**	**Dates**	**Delivery**
Safewalking	GPS tracking technology for risk management associated with independent travel using Everon Vega safe walking devices Wrist worn device	Cumbria wide service	20 units	April 2013 – Oct 2014	Adult Social Care (ASC), Health and Care services, Cumbria County Council / VNC Lifeline

eHealth	Application / description	Location	Number of units/users	Dates	Delivery
Strata e-health	Software system for record referral across health and social care agencies – reduces delay of referral by telephone calls, faxes and letters, provides transparency of workflow and performance	Cumbria wide service – Morecambe Bay Acute, Community NHS, North Cumbria Acute	400 patients per month	Apr 2013, Sept 2014, July 2014	Cumbria County Council
Cancer Networks Multi Disciplinary Team (MDT)	Provision of MDT capability for patients Provision of face to face MDT consultations and access to data/information for clinicians	Lancashire and South Cumbria	N/A	2013 ongoing	Lancashire Teaching Hospital
Patient Memoirs	Online platform for patients, clinicians, carers and all others to share, help and support people living with illnesses (e.g. people may upload video logs of their reflections, experiences, share tips and ideas, clinicians may record and share educational videos)	Online	5000 visitors per month	2012 ongoing	Independent provider
Anorexia Nervosa Intensive Service (ANIS) webchat	Online support and webchat for people affected by eating disorders	Online	N/A	May 16th, June 12th, July 24th 2014	Cumbria Partnership NHS Foundation Trust (CPFT)
Patient testing	Analysis of bloods at points of care in order to speed up the process without having to transport specimuen to acute hospital laboratories. Results are automatically / manually transmitted to patient records	South Lakes including patients in remote areas	N/A	May 2014 ongoing	Cumbria Partnership NHS Foundation Trust (CPFT)**/ Kendal Primary Care Assessment Centre (PCAS)

Mapping by medical condition/function

Medical conditions	Application	Location	Type	Start date / User	Delivery
All	Remote consultation	Penrith Hospital and Alston Hospital	TM	2013 2 units	Cumbria Partnership NHS Foundation Trust (CPFT) / Cumbria Health On Call (CHOC)
All	**STRATA**: Software system for record referral across health and social care agencies – reduces delay of referral by telephone calls, faxes and letters, provides transparency of workflow and performance	Cumbria wide service – Morecambe Bay Acute, Community NHS, North Cumbria Acute	eH	Apr 2013, Sept 2014, July 2014 400 patients per month	Cumbria County Council
All	**TELECARE**: Risk management associated with independent living at home. Monitored assistive technology	Cumbria wide service	TaAT	Oct 2011 ongoing 1650 clients via ASC	Cumbria County Council / VNC lifeline

Medical conditions	Application	Location	Type	Start date / User	Delivery
All (including addictions)	**Florence™ (FLO):** Remote heath monitoring via text messaging (i.e. blood pressure monitoring, medication reminder, inhaler reminders for carers of patients or patients with asthma and COPD) smoking cessation support and health management for patients). Patients send data to the health service provider via text messaging.	Cumbria wide service	TH	2012 ongoing	NHS Stroke-on-Trent CCG / Mediaburst
All	**Breathe* for patients:** Telehealth monitoring for health indicators and advice (e.g. blood pressure, heart rhythms, heart rate, levels of sugar and oxygen in the blood)	North Cumbria	TH	Nov 2009 – April 2010 20 units	Cumbria County Council
All	**Teledispenser**: Medication dispensers to prompt patients to take their medication	Cumbria wide service	TH	2010, 2013, 20 units	Cumbria County Council

Medical conditions	Application	Location	Type	Start date / User	Delivery
All	Patient Testing: Blood analysis at points of care	South Lakes including remote areas	eH	May 2014	Cumbria Partnership NHS FT / Kendal PCAS
LTC - Stroke	Out of Hours Stroke Thrombolysis Telemedicine Service for stroke patients	Across Cumbria, Lancashire and Southport	TM	2013 8 telecare carts	Lancashire Teaching Hospitals NHS Foundation Trust**
LTC - Stroke	Speech and Language Therapy (SLT)	Lancashire and Blackpool	TM	2013 272 patient practice hours	Blackpool Victoria Hospital**
Rheumatology / Orthopaedic	Remote consultation and follow up	West Cumberland Hospital, Cumberland Infirmary and 7 cottage hospitals in North Cumbria with plans of future expansion to the Northumbria area	TM	Aug 2014	North Cumbria University Hospitals NHS Trust

Medical conditions	Application	Location	Type	Start date / User	Delivery
Renal	Renal home dialysis	Lancashire and South Cumbria	TM	2013 ongoing 6 patients	Lancashire Teaching Hospitals NHS Foundation Trust**
Chronic fatigue syndrome (CFS) / ME	Therapy supervision for patients	Cumbria	TM	2009 ongoing	Keswick Community Hospital**
Cancer	Provision of MDT capability for patients Provision of face to face MDT consultations and access to data/information for clinicians	Lancashire and South Cumbria	TM	2013 ongoing	Lancashire Teaching Hospitals NHS Foundation Trust

Long term conditions	Application	Location	Type	Start date / User	Delivery
Breathe* for patients	Telehealth monitoring for health indicators and advice (e.g. blood pressure, heart rhythms, heart rate, levels of sugar and oxygen in the blood)	North Cumbria	TH	Nov 2009 – April 2010 20 units	Cumbria County Council
Teledispenser*	Medication dispensers to prompt patients to take their medication	Cumbria wide service	TH	2010, 2013, 20 units	Cumbria County Council
Home Dietary Intake Monitoring	PhysioDOM®: telemonitoring of weight, lean/fat ratio and physical activity	Alston Moor and North Cumbria	TH	Sept 2014 250 clients	Alston Healthcare
COPD / heart failure	Telehealth monitoring, support and technical triage to clients	Barrow	TH	Jan 2014 – Jan 2017 36 units	Cumbria Partnership NHS Foundation Trust (CPFT)** / Tunstall

Elderly	Application	Location	Type	Start date / User	Delivery
Breathe for carers	Digital platform providing daily guidance and support for long time carers of elderly people	Alston Moor and North Cumbria	TH	Aug 2014 – Mar 2016 30 clients	Alston Healthcare
Assisted living	**Community Alarms**: Risk management associated with independent living at home for people eligible for long term support, receiving short term reablement services and people with lower level preventative needs Self-managed assistive technology (not monitored)	Cumbria wide service	TaAT	1650 clients 3,500 clients with independent providers	Adult Social Care (ASC), Health and Care services, Cumbria County Council / VNC Lifeline / Age UK / Community Alarms South Lakeland / Eden Community Alarms/ Riverside / County Careline / Eden Housing Association / Tunstall / VNC Lifeline

Dementia / mental health	Application	Location	Type	Start date / User	Delivery
Assessment	**Just Checking**: Temporary instalment (up to 6 weeks) of movement and door sensors to assess clients' needs (most often used with people with dementia or learning disabilities) Provides evidence to support decisions as to whether a person could be supported at home or require residential care	Cumbria wide service	TaAT	2011 25 units	Adult Social Care (ASC), Health and Care services, Cumbria County Council
Stand Alone Assistive Technology (SAAT)	Telesupport for carers of people with dementia living at home – carers carry a pager which alerts them to risks in the home (e.g. if the person leaves the house, chair or bed unsupported)	Cumbria wide service	TaAT	Feb 2014 – Sept 2014 20 clients	Adult Social Care (ASC), Health and Care services, Cumbria County Council
Safewalking	GPS tracking technology for risk management associated with independent travel using Evron vega safe walking devices (wrist worn)	Cumbria wide service	TaAT	Apr 2013 – Oct 2013 20 units	Adult Social Care (ASC), Health and Care services, Cumbria County Council / VNC Lifeline

Others	Application	Location	Type	Start date / User	Delivery
Emergency	Management pathway for patients in emergency situations, giving advice and treatment for minor injuries	West Cumberland Hospital, Cumberland Infirmary and 7 cottage hospitals in North Cumbria	TM	Aug 2014	North Cumbria University Hospitals NHS Trust
All including out of hours	Remote consultation	Penrith Hospital and Alston Hospital	TM	2013 2 units	Cumbria Partnership NHS Foundation Trust (CPFT) / Cumbria Health On Call (CHOC)
Online support / information	Online support and webchat for people affected by eating disorders	Online	eH	2014	Cumbria Partnership NHS Foundation Trust (CPFT)
Online support / information	Patient Memoirs – online platform for patients, clinicians, carers and others to share, help and support people living with illnesses	Online	eH 5,000 visits per month	2012	Patient Memoirs Ltd.

Acknowledgement

- Tom Bell, GP Stakeholder Engagement Manager, Cumbria Partnership NHS Foundation Trust

- Everyone who has helped in one way or another

Next steps?

Thank you