E-Care @ Home

WP1: User Requirements and Specification

D.1.2.12.1: Lithium Test

Deliverable id	D1.2.12.1 v2
Document name	Lithium Test ~~Medication Manager~~
Date	15. 01.2014

COVER AND CONTROL PAGE OF DOCUMENT	
Project number:	600451
Project name:	E Care@Home
Document id:	D1.2.4.1 V1
Document name:	UX functional specification – Lithium Test
Dissemination level*	WG
Version:	2.0
Date:	30.01.2014
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ABSTRACT	

This document describes the functionality to be accessed via the UX-layer according to the architecture described by the wireframes, with the presentation style described in 'graphics' and the UX behavior to be fully specified in the WP-1 – Wireframes.

KEYWORDS
UX

VER.	DATE	STATUS, CHANGES	FROM	REVIEW
1.0	15.11.2013	First draft	The Alloy	WG
2.0	30.01.2014	Post review update		WG

1) Overview:

The Lithium test was originally scheduled as an optional 'multipurpose' measure to track all medications in a single application. Following review with clinicians and users the project has decided to limit ECH scope to a single 'measure' application to communicate lithium values to patients and potentially be included it into their life chart.

Following the ECH project this measure will be upgraded to be an 'editable' measure that clinical organisations can customise to communicate any test results.

2) Availability and Deployment

2.1. As per Measures - Common Functional specification
This measure shall be available on all portals from the WT master library and importable into 'life charts' as per D1.2.13A – Common – Measures Functional specification.

2.2. Specific Deployment limitations:
This measure can only be accessed and deployed onto Homepads by authorised users of the clinical care portal.

2.3. Availability limitations

2.3.1. Homepad users will only have viewing and sharing permissions.

2.3.2. Only users of the clinical care portal will be given permission to log readings and remind homepad users to a new reading.

3) Measure information page

This page shall provide information on therapeutic benefits of activity to be authored by ECH

clinical partner In-geest.

4) **Basic functionality**.

4.1. Common behaviour

Unless specified otherwise in this document, the measure will behave as specified in D1.2.13A – Common – Measures Functional specification.

4.2. Name:

4.2.1. ECH specification: lithium test

4.2.2. Post ECH: User selected name

All measures allow CMP owners, but not HP service users to customise measure names. For activities, this ability will be offered to all users once the measure is deployed the CMP or HP. The customisation settings are part of the service user's record. (this is only available to paid users).

4.3. Units

4.3.1. ECH specification

display dosage in mg

4.3.2. Post ECH: user selected units

Users will be given the option of selecting the units in which activity will be measured. The aim is to connect 'measurability' with tracking. E.g. measure 'walks' not 'distance'.

4.4. **Alerts**

No automatic alerts will be set - Clinicians can, at their discretion, send a message explaining results.

4.5. **Set user notifications**

Only clinical care portal users will be able to trigger an automatic notification to inform users that their test results have been updated.

4.6. **Access Sharing**

As per D1.2.13A Common behaviour. – rights assigned to homepad users and clinicians

5) Detail view

5.1. **ECH specification:**

5.1.1.   Main view: 'step function' graph of dosage vs time**.**

5.1.2.   Other functionality as per D1.2.13A Common behaviour.

5.2. **Post ECH specification - settings**

5.2.1.   The settings / enter name screen is displayed as the default 'first detailed' view.

5.2.2.   Settings / main view
the status of 4 settings options are displayed as level 2 actionable tiles touching each tile gives access to 4 'settings' detailed views.

5.2.2.1.   Name of test

    Default – This activity has no name, press here to create one

    After: activity name is (variable), press here to change

5.2.2.2.   Unit of measurement

    Default – This activity has no units yet, press here to chose your units

    After: activity units are (variable), press here to change

5.2.2.3.   Optional: Thesholds

    Default – There are no thresholds yet, press here to set some

5.2.2.4.   Notifications (based on reminders but sent from clinicians to users)

    Default – There are no reminders yet, press here to set some

    After: Reminders are – list (reminder name) (time) (repeat) press here to change

5.2.2.5.   Control bar:

    5.2.2.5.1. Cancel

    5.2.2.5.2. Done

5.2.3.   Name of test screen **(not for ECH)**

    5.2.3.1.   Main screen

    5.2.3.2.   Name your test prompt

    5.2.3.3.   Text entry field – live cursor

    5.2.3.4.   Keyboard

5.2.4.   Control bar:

    5.2.4.1.   Cancel (back to main setting screen – no changes kept)

    5.2.4.2.   Done (back to main setting screen – changes kept)

5.3. Unit of measurement screen **(Not for ECH)**

    5.3.1.   Main screen

        5.3.1.1.   Name your unit prompt

        5.3.1.2.   Text entry field – live cursor

        5.3.1.3.   Keyboard

    5.3.2.   Control bar:

        5.3.2.1.   Cancel (back to main setting screen – no changes kept)

        5.3.2.2.   Done (back to main setting screen – changes kept)

5.4. Enter thresholds screen **(not for ECH)**

    5.4.1.   Main screen

        5.4.1.1.   Red threshold = (enter value) or 'none' (default)

5.4.1.2.   Amber threshold = (enter value) or none (default)

5.4.1.3.   Control Bar

5.4.1.3.1. Cancel (back to main setting screen – no changes kept)

5.4.1.3.2. Done (back to main setting screen – changes kept)

5.5. Automatic User notification screen **(not for ECH)**

5.5.1.   Main screen

Send an automatic reminder each time a new reading is logged.

5.5.2.   Control Bar

5.5.2.1.1. Cancel (back to main setting screen – no changes kept)

5.5.2.1.2. Done (back to main setting screen – changes kept)

6) Log screens

6.1.1.   Accessed via 'log a reading' on main detail view.

6.1.1.1.   Main screen
Display on a 'wellness subsection' page of the CMP / user account.

log (x) (Units) on (date time)

6.1.1.2.　　　Control Bar

6.1.1.3.　　　Cancel (back to main setting screen – no changes kept)

6.1.1.4.　　　Done (back to main setting screen – changes kept)

6.1.1.5.　　　Log another entry

7) Main detail screen

7.1. Main screen

Accessed via 'wellness' subsection on the homepad of the 'prescribed' user as per D1.2.13A
This shall include

7.1.1.　　　3 X axis viewing options: Week/ month/ year / goal on a page

7.1.2.　　　Main graph

This will display 2 line graphs on a common scale

7.1.2.1.　　　X = axis

Time with the selected period shown = 'full width' where this = std level 1 page with 'next' and 'previous' level 1 horizontal scroll control
default is 'current' time period. 'sub - time interval periods are clearly labelled

7.1.2.2.　　　Y axis

'Number of units' at a scale where 'full height value = goal or max value whichever is greater.

Legend display taken from 'settings'

Goal level clearly displayed

10 % completion sub intervals on the vertical

7.1.2.3. Data points

Each reading is positioned in X at 'time stamp' and in Y as (total at previous reading + new units added at reading). New reading is joined to previous by a linear fit graph.

7.1.2.4. Thresholds **(not for ECH)**

Horizontal lines define 'zones' below threshold levels.

7.1.2.5. X axis displays.

Default period is 'current'

7.1.2.6. X scales:

7.1.2.7. Week View (common with other calendar scales)

'Full width = 1 week

Major dividers as 7 even days with full name of days in between.

7.1.2.8. Month View (common with other calendar scales)

Default = current period

'Full width = 31 days

Major dividers at start of weeks

Minor dividers as days

7.1.2.9. Year view (common with other calendar scales)

Default = current period

'Full width = 12 months

Major dividers at start of months

Month names between dividers

7.1.2.10. Goal on a page view

Shows period from start to goal full width

X axis divided into 10% interim milestones

actual dates calculated as placed next to bold dividers for 20% 50% 80% milestones

7.1.3. Control Bar

7.1.3.1. Legend

7.1.3.1.1. ECH = Lithium levels

7.1.3.1.2. Post ECH = 'user set activity name'

7.1.3.2. Settings

Gives access to the settings main screen

7.1.3.3. Log a reading

Gives access to a 'log a reading' screen

7.1.3.4. Suspend

Standard behaviour as per D1.2.13A

7.1.3.5.   Delete

Standard behaviour as per D1.2.13A

7.1.3.6.   Share

Gives access to 'sharing' screen

8) Sharing a measure

8.1. Sharing screen

8.2. Main screen area

displays 2 sharing options and their status; The two options are:

8.2.1.   Share access to your (name of test levels)

(accesses standard behaviour as per D1.2.13A)

8.2.2.   Control bar (all 'sharing') screens

8.2.3.   Cancel (back to main setting screen – no changes kept)

8.2.4.   Done (back to main setting screen – changes kept)

9) Alerts - No alert functionality