

Joint Working Agreement - Executive Summary

1. Project Name:	Extension to Implementation of tele-dermatology application 'Skin-selfie' across Newcastle upon Tyne Foundation NHS Trust to include Eczema patients.
2. Organisations involved with this Joint Working Project are:	The Newcastle Upon Tyne Hospitals NHS Foundation Trust (hereinafter referred to as Newcastle Hospitals NHS Trust)
3. The objectives for this project are:	<p>Application of the tele dermatology app MySkin-selfie to the existing psoriasis and eczema clinical pathway for secondary care follow up appointments.</p> <p>We aim to use a skin-monitoring app MySkinSelfie to improve the experiences of psoriasis and eczema patients under the care of specialist secondary care dermatology services in Newcastle upon Tyne.</p> <p>As a second phase, we could develop links from the app to other eczema resources and enhancing the app to allow us to send educational messages to patients with certain diseases – they would select which disease they were interested in at sign up and this would enable us to provide targeted information. This could then be used for education if consent given.</p> <p>We will use the app in 3 ways:</p> <ol style="list-style-type: none">1. Longitudinal monitoring of response to biologics for psoriasis and Eczema. Can we obtain a greater level of understanding of the temporal response to biologic therapies?<ol style="list-style-type: none">a. We will recruit psoriasis and eczema patients starting a new biologic to participate in this studyb. Longitudinal image diaries will be collected via the appc. We will aim to present a poster highlighting the potential benefits for research and precise monitoring. 2. App based triage- does it work?<p>After various brainstorming sessions we have decided that this would be tested best in the basal cell skin cancer clinic. Data collected will include</p><ol style="list-style-type: none">a. number patients invited to participateb. demographicsc. number who participated. number who submit acceptable images the can be interpreted

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	<p style="text-align: center;">e. number whose care pathways altered.</p> <p>In addition we will be completing an audit of the eczema patients journey to immunosuppression and combine it by using the app for eczema patients to monitor their response to their medications</p> <p>.</p> <p>If successful, this proof of concept pilot project will demonstrate cost savings associated with the above treatment pathway capacity improvements and will, following submission of a successful business case be funded by Newcastle Hospitals NHS Trust and the Newcastle Gateshead CCG. The use of the Skinselfie app could also be extended to other trusts, with the possibility of license fees paid by other NHS organisations making the tool self-funding.</p>
<p>4. Roles and Responsibilities, including any funding</p>	<p>Lilly UK:</p> <p>Co-development for all documentation required for approval of the project as a Joint Working Agreement. Approval, certification and publication of said documents in line with ABPI guidance 2019.</p> <p>Project management support using Prince 2 and Lean methodologies, including being responsible for:</p> <ul style="list-style-type: none"> • Arranging regular project group meetings • Development and maintenance of project plan, Gantt, action plan, comms plan, risk register and any other project documentation required. <p>Facilitating development of bespoke patient satisfaction measures, developing data collection plan, supporting survey pilot and data analysis.</p> <p>Facilitating and supporting clinical team to develop protocol or SOP around the use of Skinselfie within existing clinical pathway.</p> <p>Baseline and measurement of results.</p> <p>Sharing best practice both within Lilly, Newcastle Hospitals FT and the wider NHS.</p> <p>Development of business case to secure ongoing funding.</p> <p>Funding as detailed in section 15.1.</p> <p>At no time will Lilly have access to any patient identifiable data. Lilly will not have any access to data sent and received via the app.</p> <p>Any adverse events will be reported in line with trust guidelines.</p> <p>Partner Organisation:</p> <p>Management of internal governance procedures associated with entering into a JWA, and receiving financial support from Lilly UK. This should include following any pre-existing SOP's, ensuring project support at Medical director and / or Trust Board level and identification of suitable route for financial support to be paid.</p> <p>Commissioning of a 3rd party (Komodo) to further develop Skinselfie prototype app into a useable cloud based application.</p>

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Development of an SOP to embed use of app in clinical pathway.
Co-development and maintenance of any project documentation.
Baseline, measurement and analysis of results.
Publication of successful results to share best practice across the Newcastle Trust and other NHS organisations
Submission of a business case to secure ongoing funding.

All background IP associated with the Skinselfie app will remain the property of Newcastle Hospital Trusts and Newcastle University.

Total estimated project costs for 24 months:

App development and running costs

Digital development of app £9950 + VAT

Development of website image viewer £ 4656 + VAT

2 year Microsoft azure fees £1200x2 = £2400 + VAT

App maintenance for 2 years £2625x2 = £5250 + VAT

Total App costs £26707

Staff costs for 24 months

NHS:

Consultant time (44.17/h) 4hr/wk 176.68 = £9197/yr = 18374

Res nurse (band 6 £15.91) 4h/wk £63.64 = £3309/ yr = £6618

Admin (band 4, £10.92) 4h/wk 43.68 = £2271/y = £4542

Project Sponsor (3 days) £224 p/d = £670

Lilly UK:

Lilly Healthcare Development Manager (15 days total equivalent Band 8a Project Manager) £187.50 p/d = £2812

Lilly Quality Improvement Consultant (4 days total. Equivalent band 8a project manager) £187.50 p/d = £750

Total staff costs £33,766

Other costs

Administration costs - office, printing, postage £ 500

Conference / publication fees TBC to be shared 50/50 between Newcastle Trust Dermatology and Lilly UK at time of publishing.

Total = £500

Estimated total cost = £60,973 (+ publishing costs).

Total Lilly contribution: £26707 cash funding at project start + £3562 staff costs = £30269

Estimated NHS contribution = £30704

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5. The expected benefits for patients on delivery of this project are:	<p>Reduced wait times for follow up secondary care appointments</p> <p>Reduced need for unnecessary hospital appointments</p> <p>This personalised approach to care should improve patient experience with the dermatology service.</p>
6. The expected benefits for the partner organisation(s) on delivery of this project are:	<p>Improved capacity and associated cost savings for both the Trust and the CCG.</p> <p>Publication of successful results will show Newcastle to be a digital innovator in the field of dermatology.</p> <p>Successful roll out to other NHS organisations could lead to increased revenue from license fees associated with the application.</p> <p>Potential to apply the app to other dermatological conditions.</p>
7. The expected benefits for Lilly UK on delivery of this are:	<p>Insight into the atopic dermatitis patient pathway.</p> <p>Publication of successful project outcomes will demonstrate Lilly to be a valued partner in the dermatology management.</p> <p>Potential expansion of this project may provide Lilly opportunities to work with Newcastle FT again in future, with other NHS organisations.</p> <p>*Any prescribing is expected to be in line with national guidelines and local formulary.</p>