



Annual Review 2013/14

Image: Sector Secto

Contents

O2 Chairman's Message 04 Impact Study

SBRI Healthcare

healthcare

sbrihealthcare.co.uk € @sbrihealthcare sbrienquiries@hee.co.uk



06 Background and Context to SBRI Healthcare Programme

08 SBRI Healthcare Programme Management Board

12 New Competitions – Led by the AHSNs

23 Progress of Companies from **Previous Competitions**

32 Financial Report

Chairman's Message

The Small Business Research Initiative for Healthcare (SBRI Healthcare) is an excellent scheme that supports the acceleration of innovation for known healthcare need by providing up-front investment in the form of a research and development contract to develop a product for the healthcare system. Backed by the Chancellor in his budget announcements of March 2013, the SBRI Healthcare programme is a key part of the government's commitment to support the life science industry, encouraging economic growth and healthcare innovation.

Over the past year (2013-14) SBRI Healthcare has doubled in size and become a truly national initiative overseen by the Academic Health Science Network's (AHSN's) newly formed programme management board bringing oversight and integration to its innovation agenda. The programme is led and managed by the Eastern AHSN and the Eastern Innovation Hub – Health Enterprise East. In 2013 the AHSNs worked with NHS England's commissioners to identify key challenges to improve patient care and save costs. This leadership has embedded the SBRI challenges in front line clinical reality.

This is the first annual report of SBRI Healthcare and it is right that the public, the NHS and industry are able to scrutinize the programme's progress. Members of the programme management board are drawn from AHSNs, industry, key partners such as Innovate UK and NHS England, as the funders of the initiative. We are indebted to Sir Bruce Keogh who continues to offer his support to the programme and identifies the funds from within the Medical Directorate budgets.

Chairman's Message

In order to bring further evidence to NHS England of the value of its investment, the SBRI Healthcare programme management board has commissioned the Office of Health Economics to undertake a comprehensive independent review of the programme.

Looking ahead to the coming year, the board is planning to launch more competition rounds, supporting over 60 new company products and developing our existing company partnerships. This, we believe will provide patient benefit and healthcare value from the committed investment of NHS England.

Finally, I would like to thank my colleagues on the SBRI Healthcare programme management board and in particular, the SBRI Healthcare National Director, Karen Livingstone and our managing partners, Health Enterprise East, for their leadership and diligence in building this innovative and exciting programme.

Peter Ellingworth

Chair of the SBRI Healthcare Programme Management Board



Karen Livingstone SBRI Healthcare National Director

HEALTH ECONOMICS

IOBS



93%

retained staff as a direct result



created or

INVESTMENT



£6.3m

Of the companies needing to leverage additional funding, £6.3m has been

KNOWLEDGE CREATED

A significant number of companies (38%) have applied for patents, copyright or trademarks, and submitted scientific publications as a result of funding

trade marks



scientific publication

e filbn

Future savings to the NHS from technologies currently in development has been put at as high as £1bn

COMMERCIALISATION

A substantial number of commercial agreements have been signed or are in negotiation

14 finalised R&D agreements with 18 under negotiation

7 finalised marketing distribution agreements with 29 under negotiation

The majority of companies expect to commence sales within two years; of these two companies are already on market generating revenues

Impact Study





4 licensing agreements signed with 24 under negotiation

Background and Context to SBRI Healthcare Programme

The UK SBRI was launched in 2001 by the Department for Trade and Industry (DTI) with the aim of encouraging UK government departments to award R&D contracts to small firms. It was designed as a procurement-based programme giving 100% funding of developments to promote economic growth, rather than as a grant initiative giving partial funding. It struggled to gain traction across government and following a campaign launched in 2009 the then government introduced a more effective programme based on the highly successful US Small Business Innovation Research (SBIR) programme. Science and Industry Minister, Lord Sainsbury, alongside the Treasury, DIUS and BERR, backed a revitalized SBRI programme modelled on proposals made by David Connell¹. At this time, the Technology Strategy Board (TSB) (now Innovate UK) was made responsible for championing SBRI and for coordinating its introduction across spending departments.

> In 2009 the Eastern Region Strategic Health Authority (SHA) established the first regional healthcare SBRI competition with a combined award's pot of £3m drawn from contributions made by the SHA (£1m), the European Regional Development Fund (£1m), the TSB (800k) and the East of England Regional Development Agency (£200k). The competition opened in 2009, received 177 entries and made 11 awards for the feasibility phase of the programme, followed by four Phase 2 awards.

The Healthcare arm of the SBRI process developed and further competitions were launched, led by other SHAs and the Department of Health (DoH). Each of these followed a specified competition format overseen by the TSB. The SHAs developed their processes for topic selection, offering workshops with industry and clinicians, and developing 'surgeries' for industry to gain insight into the needs of the NHS before drawing up feasibility proposals.

SBRI Healthcare Process



Due diligence & contracts

Innovation Health and Wealth

A report by former NHS Chief Executive Innovation Health and Wealth (IHW) sought to take the work of the SHAs and place SBRI Healthcare onto a national footing. The IHW process also indicated a commitment to double the investment in the SBRI Healthcare programme. A national task and finish group, chaired by the Eastern SHA and supported by its members including Professor Steve Fields, Tony Davis (president of Medilink, the trade association) and representatives from each of the SHAs where SBRI programmes were being run, was established to consider how the SBRI Healthcare programme could develop once SHAs were closed. The group recommended that the emergent AHSNs, as champions of the innovation agenda going forward, were the right organisations to lead the future SBRI Healthcare programme. Recognising the need for an individual AHSN to embed the programme within the new ASHN structure and maintain the momentum achieved to date, the task and finish group recommended that NHS England should contract Eastern ASHN to lead the SBRI Healthcare process.

SBRI Healthcare; The Facts

- agenda
- challenges
- where the NHS is the customer
- intellectual property (IP) remains with the company
- work with industry to tackle known challenges
- stage of product development

• SBRI Healthcare is an Academic Health Science Network (AHSN) led programme for NHS England delivering the Innovation Health and Wealth

• The programme supports a series of open competitions inviting companies to come forward with their ideas and new technologies for known NHS

• It results in a fully funded development contract between the company and the NHS. SBRI Healthcare provides 100% funded development contracts

• SBRI Healthcare has three phases that starts with a company undertaking feasibility testing and moving on to more detailed product development and ultimately to pathway testing and validation within a clinical setting. Phase 1 feasibility contracts are valued at up to £100,000 and last for 6 months. Phase 2 & 3 development contracts are worth up to £1 million over one to two years

• While the public sector has the right to license the resultant technology, the

• SBRI Healthcare is a fast track, simplified process that enables the NHS to

• Targeted at SMEs and early stage businesses it gives vital funding for a critical

• ASHNs ensure that clinicians and sector specialists specify the challenges thereby ensuring that NHS operates as an intelligent lead customer, instrumental in helping the development of new technologies and businesses



Anna King Commercial Director, Health Innovation Network, South London AHSN

Anne Blackwood Chief Executive Officer,



SBRI Expert and Industry Representative

Richard Stubbs

Commercial Director, Yorkshire and Humberside AHSN and representing North East Coast and North Cumbria

Paul Durrands



Adrian Bull

Managing Director,

Imperial College

SBRI Healthcare Programme Management Board

Following the establishment of the AHSNs in 2013, agreement was reached to establish an SBRI Healthcare programme management board with representation from each of the 15 authorised AHSNs. Industry representatives, NHS England Innovation Directorate, SBRI leads from the TSB and DoH, also joined the new management board. The board is chaired by Peter Ellingworth as former chair of the Manchester AHSN and Partnership Board member of Oxford AHSN. Peter's role as chief executive of the Association of British Healthcare Industries also brings valuable insight and industry wide networks to the board.



Peter Ellingworth (Chair) Non Executive Director Oxford AHSN and South London AHSN



Karen Livingstone SBRI Healthcare National Director



Miles Ayling Director of Innovation, NHS England



Philip Dylak Director of Innovation North West Coast AHSN and representing Greater Manchester

> Tony Davis Commercial Director, West Midlands AHSN



Lars Sundstrom

Director of Enterprise & Translation, West Of England AHSN and representing South West Peninsula

Chris Hart Commercial Director, East Midlands AHSN





Rob Berry

Head of Innovation and Research, Kent, Surrey and Sussex AHSN and representing Wessex AHSN



Robert Winter Managing Director,

Eastern AHSN





Sue Smalley

Commercial Directorate Representative, Department of Health





Gary Stapleton Chair of Medilink UK, Industry Representative



PolyPhotonix Ltd

Company: PolyPhotonix Ltd

Competition Entered: Improving the Health of People with Long-Term Conditions

Innovation: Noctura 400 treatment for Diabetic Retinopathy

Total award: £1,458,158 awarded across Phase 1, Phase 2 & Phase 3 development stages

Savings to the NHS: Estimated at £1 billion per annum

Product availability: Q4 2014

Overview

PolyPhotonix, a bio-photonic research and development company, has developed a light therapy sleep mask, Noctura 400, for the prevention and treatment of Diabetic Retinopathy. Designed as a monitored home-based therapy, the technology offers a patient centric, non-invasive treatment that can be delivered at a fraction of the cost of the current interventions; laser photocoagulation surgery or intraocular drug injection.

Trials of Noctura 400 have shown that eye disease can be reversed with significant results after as little as six months. Approximately 30 clinics around the country are trialling the product including Moorfields eye hospital. It is anticipated that Noctura 400 will receive NICE approval by the end of 2015.

Diabetes is the most common cause of preventable adult blindness in the developed world. Treating it costs the NHS about £1bn a year. Patients who develop retinopathy are currently treated at a cost of as much as £10,000 per patient for each eye. By contrast, the PolyPhotonix sleep mask costs £250 for 12 weeks' treatment. With 3.5m diabetes sufferers in Britain, the technology has the potential to save the NHS hundreds of millions of pounds a year.

Patient perspective

The sleep mask is designed to be worn at night and delivers a precise dose of light therapy during a patient's normal hours of sleep. The Pod contains the light sources which, when worn, emit light into the eyes through closed eyelids. Nothing is inserted into the eyes – the treatment is non-invasive. The mask is programmed to administer the correct dose of light each night as part of a continuing therapy.

Visit: www.polyphotonix.com

POLYPHOTONIX

"There is no contest that I would choose the mask over the laser treatment. It is easy to use and removes any traumatic experience that occurred when having my eyes lasered. I still wear the mask at night and would encourage anyone with diabetes and suffering from retinopathy to do the same."

Patient comment

Economic impact

Following successful patient trials, the sleep mask is now commercially available with sales for 2015/16 estimated to be in excess of £3 million. PolyPhotonix's workforce is expected to triple over the next two years to 60 employees directly created as a result of SBRI Healthcare funding. Approximately £2 million of additional investment has also been secured by the company.

Based on company forecasts and health/financial modelling, the estimated saving to the NHS is in the region £1 billion per year for treatment of diabetic retinopathy and other eye conditions.

"The biggest impact of SBRI Healthcare funding has been in accelerating the commercial side of the business and to considerably increase the pace of activity with the NHS. Driving adoption of the technology will both save the NHS budget and improve the quality of life for the patient." Richard Kirk, CEO, PolyPhotonix





New Competitions – Led by the AHSNs

The newly formed SBRI Healthcare management board launched its first collective competition in September 2013 with seven clinical themes identified and with each participating AHSN leading and supporting an individual theme. The determination of the AHSNs to work collectively, and in particular to work as a lead and supporting partnership on each of the seven themes, enabled the emergent AHSNs to build their experience of the SBRI process and also supported cross-AHSN working.

To enhance the problem identification activity AHSNs held workshops with their clinical leaders to identify key priorities within theme areas. These included – Diabetes, Patient Safety, Cardiovascular, Cancer, Mental Health, Diagnostic and Research Tools, and Chronic Obstructive Pulmonary Disorder (COPD) with briefing documents prepared under the guidance of NHS England domain leads. Four industry workshops were held in the North West, Nottingham, London and Kent; over 250 companies attended with expert clinicians outlining the challenges and enabling companies to better understand the NHS need and the market opportunity.

> "North West Coast ASHN is delighted to have been involved in the SBRI Healthcare programme. With its emphasis on the application of new technologies to health service challenges and priorities, it is very consistent with the aims and objectives of the AHSNs. It has also been an excellent opportunity to bring together clinical experts, managers, academics and industry partners to look afresh at some difficult clinical problems. Above all, I think I can say that it has been both rewarding and very enjoyable for everyone involved."

Philip Dylak, North West Coast AHSN

Competitions

The seven clinical themes attracted 283 entries from companies spread from Exeter to Inverness. A team of over 40 technical assessors, secured through open advert, initially assessed each application with particular emphasis on the technical challenges and feasibility of each proposal, the ownership of IP and the company's freedom to operate. Following this, a team of over 25 clinical leads reviewed to assess the clinical need, the potential impact on patients and the level of innovation the project would bring to the NHS.

Shortlisted companies were invited by a team of clinical experts and AHSN leads to attend an interview panel with panelist including lead clinicians in the identified therapy area, business assessors from venture capital, life science businesses and representatives from the AHSNs and the TSB.

Of the 67 companies invited to panel interview, 35 were offered feasibility contracts having successfully concluded a due diligence assessment (including; current financial position, ownership, evidence of sub-contractor quotes where appropriate and access to the required background intellectual property).

⊕⊖

Phase 1 feasibility contracts specify key milestones for each company to progress the development of their proposed products.

7 clinical themes

uMotif Digital Hea

Company: uMotif Digital Health

Competition Entered: Medicines Management

Innovation: Parkinson's Tracker platform

Total award: £571,107 awarded across Phase 1 & Phase 2 product development stages

Savings to the NHS: Estimated at £20 million per annum

Product availability: Q2 2015

Overview

uMotif is a health technology company improving the way patients track and selfmanage their conditions and make shared decisions with their clinicians. The underlying idea behind uMotif is that health self-management can strengthen the patient-clinician relationship to improve outcomes and save costs.

With SBRI Healthcare funding uMotif has developed a software platform with smartphone apps and a web portal designed to help people with Parkinson's Disease manage their medication and improve their health behaviours through self-tracking. The app also represents an interesting new research platform for in-situ testing of cognitive performance. Detailed daily tracking provides the potential to empower and motivate patients with long term conditions, encouraging them to engage positively with the management of their conditions while providing better data to healthcare professionals to enhance shared decision making.

The technology and its highly intuitive user interface has been developed in close collaboration with a range of patient groups, academic and clinical partners and was designed from the patients' perspective.

It is estimated that one in 500 people are affected by Parkinson's disease, which means there are an approximately 127,000 people in the UK with the condition. Less than 50% of patients adhere to the medications prescribed by clinicians, resulting in lower quality of life, impaired outcomes and increased costs.

Patient perspective

Through the SBRI funding, uMotif are leading a world-leading Randomised Controlled Trial (RCT) working with 7 of the UK's top neurologists. The RCT follows successful Phase 1 trials* of the app which demonstrated 70% daily use rates and increases in selfreported medication adherence. Users reported engagement with tracking and ease of use and overall improved health behaviours and patient wellbeing.

Visit: www.uMotif.com



"Using uMotif's technology has helped my husband understand for the first time the complexity and reality of my medication regime. He's now better able to support my Parkinson's selfmanagement."

Patient comment

Economic impact

SBRI Healthcare funding has allowed the creation of four full time roles. In addition to SBRI funding, the company has secured additional investment of \sim £200,000.

Full commercial availability is expected in Q2 2015, with forecasted year 1 sales of £250K. In addition to Australia, export of the technology to USA, Europe and Brazil is planned. The platform is now being deployed in primary and secondary care in other patient groups, including diabetes, heart failure, oncology, renal and rheumatology.

Early health economic modelling suggethrough use of the uMotif platform.

"SBRI Healthcare has been very good in supporting our early innovation. Through the programme, the uMotif app is being trailed with seven of the UK's top neurologists in an ethics approved and NIHR Clinical Research Network adopted randomised controlled trial."

Bruce Hellman, uMotif Digital Health

	User Report
Current	Archive(I)
 Report duration 13 May 2014 10 Days left	n I - 13 June 2014
	cose - Mood
Blood Gl	
1	

Early health economic modelling suggests savings to the NHS of over $\pm 20m$ per annum



Table 1. Phase 1 Winners from Better Health Outcomes Competition, March 2014



Cancer Competition - AHSN Clinical Leads UCL Partners and Imperial

Clinical Assessors - Dr Shelley Dolan, Chief Nurse, the Royal Marsden NHS Foundation Trust; Dr Rebecca Kristeleit, Consultant Medical Oncologist, University College Hospital; Professor Martin Gore, Medical Director/medical Oncologist, The Royal Marsden; Katy Pritchard-Jones, Chief Medical Officer, London Cancer.

Company		AHSN location	
Oncascan Ltd	£64,774	Oxford	
Project	0 1	Introducing a step change in cancer diagnosis and management with a brand new test that will allow earlier de-selection of patients without cancer before embarking on dangerous and invasive investigations.	
Owlstone Ltd	£95,158	58 Eastern	
Project		reening device for early stage lung cancer utilising breath diagnostics. As for most cancers, early cancer leads to better patient outcome.	
Astrimmune Ltd	£95,180	East Midlands	
Project	Developing a diagnostic test for pancreatic and other gastrointestinal cancers based on detection of shed tumour cells in the blood. The test provides unique insight into surface markers and gene expression of pancreatic cancer cells; isolating these cells from blood allows detection before metastasis can occur. Survival rates of pancreatic cancer could be improved dramatically if early detection were possible.		
Isansys Lifecare Ltd	£99,918 Oxford		
Project	Developing a wireless sensor system capable of identifying early signs of deterioration due to sepsis in cancer patients at home following a cycle of chemotherapy. The intention is to provide a much better way for primary care teams to manage cancer patients and treatment related complications in the community in order to avoid life threating incidents and hospital admissions.		



Cardiovascular Competition - AHSN Clinical Leads North West Coast & Greater Manchester

Clinical Assessors – Dr D J Wright, Consultant Cardiologist, Liverpool Heart & Chest Hospital; Dr Shikha Pitalia, GP, SSP Health; Dr Neil Davidson, Consultant Cardiologist & Electrophysiologist, University of South Manchester.

Company		AHSN location
Spintech Ltd	£100,000	West of England
Project	Production of anatomically shaped disposable co the life of the product. Utilising a patent protecte and cotton. The only commercially viable, biodeg porosity.	
Cardiocity Ltd	£98,000	West Midlands
Project	Pressure and ECG It will produce a p	and Vascular Screening (C2VS) , into a single system, with no v aradigm shift in the patient scr esents a device that has high pa
Plessey Semiconductors Ltd	£97,166	South West Peninsula
Project	Development of a very low cost (<£50), easy to u to identify arrhythmias and improve long term m rhythm strip on any desktop, laptop, tablet or sm their own condition.	
SilverCloud Health Ltd	£93,621	Ireland
Project	Developing an online platform to support self-ma cardiovascular disease (CVD). CVD is responsible service usage and costs. Psychological distress in will develop an online cognitive, psycho-educatic management and promote wellbeing. This will in	
Docobo Ltd	£99,648	Kent, Surrey & Sussex
Project	The Aegle system, developed in partnership with programmes in primary care focused on CVD. Ae with remote monitoring technology to deliver in and monitoring. It will enable clinicians to manag on the specific cardiovascular conditions.	

compression garments which do not lose their compression levels during ted, revolutionary non-woven dynamic fibre, based on natural elastomer egradable, non-woven fabric providing all direction elasticity and micro-

b). This projects aims to converge two screening concepts, those of Blood wires or electrodes to provide combined cardio and vascular screening. creening technology market that not only addresses the high cost of patient acceptance levels.

use, lead-one ECG device, known as imPulse, to assist primary care staff management and secondary prevention. The device can display a heart martphone via a USB or Bluetooth link and is ideal for patients monitoring

nanagement of symptoms and promote wellbeing of people with e for premature death, impaired quality of life and has disproportionate n CVD is common and associated with poor outcome. The project ional and psycho-therapeutic CVD-specific package to support selfimprove access to holistic care while reducing costs.

h Crawley, Horsham and West Sussex CCGs, will support proactive egle integrates 'pointing' to patients at risk from existing risk stratification ndividual care plans and track patients through screening, assessment age CVD as a single family and optimise a case finding approach that relies



COPD Competition - AHSN Clinical Leads Wessex and Kent, Surrey & Sussex

Clinical Assessors – Professor Anoop Chauhan, Director of Research & Innovation/ Respiratory Consultant, Portsmouth Hospitals Trust; Dr Andrew Whittamore, GP Partner, Portsdown Group Practice and Clinical Lead, South Central Respiratory Programme; Dr Jo Congleton, Respiratory Physician, West Sussex Hospitals NHS FT and Clinical Lead, South East Coast Respiratory Network; Julie Bott, Consultant Physiotherapist, South East Coast Respiratory Network; Tony Horne, Wessex AHSN and Project Director, Faculty of Science, University of Portsmouth.

Company	Award	AHSN location
Aseptika Ltd	£99,960	Eastern
Project		n problems of continuous monitoring of oxygen levels in COPD patients, motivating physical activity od/liquid intake with a wrist-worn device.
Team Consulting Ltd	£98,930	Eastern
Project		e and low cost capsule inhaler for the treatment of COPD. A novel capsule inhaler for the treatment of gnificant advantages over existing technology in terms of both performance and cost.
Glyconics Ltd	£98,941	Wales
Project	Accurate diagnosis of COPD is an extremely difficult process. Using Fourier-Transforming Infrared Spectroscopy, COPD samples can be reliably and rapidly identified and differentiated from other respiratory syndromes. This project provides the means to develop the system into a cost-effective clinical tool for the NHS.	
Cambridge Respiratory Innovations Ltd	£99,348	Eastern
Project	Developing an inexpensive COPD home monitoring and treatment device specifically targeted at personal monitoring and telemedicine. This device, which has a target end-user price of 25% of the current gold standard monitor, will be simple to use once set up by a medical professional. It will monitor exhaled carbon dioxide using III-V mid infrared LEDs.	
HealthQuest Solutions Ltd	£95,000	Wessex
Project	Developing myCOPD, a web based self-management system for patients with COPD. Built by experts in the field of COPD community care, the system aims to help patients understand their condition, react to changes in their symptoms and reduce exacerbation frequency. The organisation of medicines and patient held material is at the heart of this innovation to reduce cost and improve the efficiency in service delivery for all those who care for patients with COPD.	

Diabetes Competition - AHSN Clinical Leads Oxford & South London

Clinical Assessors – Dr Charles Gostling, South London AHSN and GP Partner, Special Interest in Diabetes Care, Lewisham; Dr Katherine Owen, Endocrinology & Diabetes Consultant , Churchill Hospital Oxford and Diabetes Clinical Network Lead, Oxford AHSN; Anna King, Commercial Director, South London AHSN.

	AHSN location
£88,596	Oxford
Developing a breath ketone analysis for improve elevated breath acetone, and are indicative of t breath acetone and provide a non-invasive early This project will assess the feasibility of using co home based DKA warning device.	
£98,032	Eastern
to improve treat using diabetes no enhancement to	t delivered cognitive behaviou ment of people with type 1 dia urses who have been trained to ols via mobile phone. The obje gh more integrated care.
£96,813	Kent, Surrey & Sussex
Reducing the impact of Diabetes Peripheral Neu the development of a cost-effective thermal per term management. DPN currently costs the NH: life expectancy. The proposal aims to develop at can be used in primary care by practice nurses a DPN.	
£96,221	Wessex
Developing a diabetic foot ulcer wound healing stage to prevent infection and subsequent com	
£92,075	Eastern
Developing a compact, efficient and convenient wounds. Having demonstrated significantly sup studies on leg ulcers and surgical wounds, the p to the pressing problem of diabetic foot ulcer (I for which existing treatments are proving ineffe	
£100,000	UCL
Developing an online application that allows pa appointment times, with a specific focus on pro UK with diabetes; these tools could help these	
	£88,596 Developing a bree elevated breath a this project will a home based DKA £98,032 Use of online tex to improve treat using diabetes m enhancement to outcomes, throu £96,813 Reducing the imp the development term management life expectancy. The can be used in pro- DPN. £96,221 Developing a dia stage to prevent £92,075 Developing a cor wounds. Having studies on leg ula to the pressing p for which existing £100,000 Developing a nor appointment tim

ved diabetes management. High blood ketones are associated with the dangerous condition DKA. Laser sensor technology can measure rly warning of this condition, but is not financially accessible for home use. cost effective technologies to achieve the goal of providing a non-invasive

ural therapy (CBT) to provide integrated diabetes and psychological care abetes. Therapy will be delivered over the internet to patients, via text, to deliver CBT. Care will be augmented through the use of motivational ective will be to improve glycaemic control, and also mental health

europathy (DPN) on healthcare services and patients' quality of life through erception screening and monitoring device for early detection and long-HS £662 million each year, and can devastate a patient's quality of life and an inexpensive thermal perception screening and monitoring device that and other healthcare professionals as an early indicator of the onset of

device specifically for the treatment of Diabetic Foot Ulcers at an early pplications including amputations.

nt means of generating and topically applying oxygen to hard-to-heal perior healing and pain reduction performance in multiple clinical case project will look to extend the scope of patented NATROX TOT technology (DFU) wounds, an increasing and serious complication of type 2 diabetes ective.

atients to view, manage and interact with their test results and oviding Year of Care for Diabetes patients. There are 3 million people in the people improve their care plan.



Mental Health Competition - AHSN Clinical Lead East Midlands

Clinical Assessors – Professor Chris Hollis, Consultant in Developmental Neuropsychiatry, Nottinghamshire Healthcare NHS Trust and Clinical Director, MindTech HTC; Professor Richard Morriss, Professor of Psychiatry & Community Mental Health, Nottingham University and Honorary Consultant Psychiatrist, Nottinghamshire Healthcare NHS Trust; Professor Tom Dening, Professor of Dementia Research and Honorary Consultant Psychiatrist, Nottinghamshire Healthcare NHS Trust; Professor David Daley, Professor of Psychological Intervention & Behaviour Change, University of Nottingham; Professor John Crowe, Professor of Biomedical Engineering, University of Nottingham; Dr Jennifer Martin, Programme Manager, MindTech HTC.

Company		AHSN location
Mayden House Ltd	£69,655	West of England
Project	Developing an online psychological therapies referral and treatment hub as a secure, cloud based environment for choosing and accessing online psychological therapies. The hub will connect patients and referring IAPT services with a range of therapy suppliers across a common technology platform, addressing commercial obstacles to the use of online therapy, and overall leveraging greater access to this cost effective, yet under-utilised, treatment modality.	
P1vital Ltd	£99,958	Oxford
Project	An assessment tool for managing the treatment of depression. The P1vital Oxford Emotional Test Battery (ETB) is an easy to use, low cost, computerised test which can detect response to antidepressant treatment within 7 days rather than the current 6-8 weeks. The ETB is already being used by P1vital in clinical trials for pharmaceutical companies to test the antidepressant effects of new compounds. This award will enable P1vital to conduct a clinical feasibility pilot study to demonstrate that the ETB works effectively in a primary care setting.	
ProReal Ltd	£99,870	Oxford
Project	Developing an avatar-based virtual world software platform which has successfully been applied to the business/ coaching market. The ProReal Phase 1 Project covers modifications to this software to enable ProReal to be considered in the near term for the offender / mental health market, a hard to reach group with unmet needs.	
IXICO plc	£97,780	Imperial
Project	For facilitated self-management of dementia using social and clinical networks, My BrainBook is a secure web system that integrates diagnosis, care planning and support for patients and carers, to provide resources and a unique roadmap, customised to individual needs. It travels with the patient and their family from diagnosis to end-of-life, creating a patient centred record for collaborative care planning, treatment and review.	



Patient Safety Competition - AHSN Clinical Leads West of England & South West Peninsula

Clinical Assessors – Jo Howarth, Associate Director Patient Safety & Quality, Yeovil NHS FT; Lars Sundstrom, Director of Enterprise & Translation, West of England AHSN; Dr Sanjoy Shah, Consultant in Intensive Care Medicine, University Hospitals, Bristol; Dr Carol Peden, Consultant in Anaesthesia and Critical Care Medicine, Royal United Hospital Bath and Associate Medical Director for Quality Improvement; James Petter, South West Ambulance Trust; Dr Helen Smith, Co-medical Director Devon MH trust.

Company		AHSN location
ViVO Smart Medical Devices Ltd	£97,435	East Midlands
Project	Developing Pupiloscope, a low cost and novel injuries.	
Doctor Communications Solutions Ltd	£99,975	West of England
Project	DocCom proposes improving patient safety w uniquely combining real-time alerting of dete healthcare teams using social networking prir	
The Learning Clinic	£99,471	North West Coast
Project	I.M.P.Act study for improved monitoring to op standardised paediatric early warning score (I	
Isansys Lifecare Ltd	£99,918	Oxford
Project	Developing Every Patient Monitored, a scalab platform, for rapid early detection of deterior wards hospitalised patients are generally poo patients would be able to identify early signs it became critical. This project will re-enginee and increase the functionality so that it will be monitoring and automatic early warning indic	
Veraz Ltd	£98,853	North West Coast
Project	Care Tracker empowers patients and reinforce patients, their surroundings, and healthcare environment, from hospital to home.	

el device for the rapid detection, assessment and monitoring of head

within the Intensive Care Unit at University Hospitals Bristol by eriorating conditions with faster, easier collaboration between inciples to improve compliance with ICU care bundles.

pptimise paediatric safety by developing evidence based software for (PEWS) monitoring.

able, low-cost multiple vital sign patient-data acquisition and analysis oration and avoidance of adverse events. Outside of intensive care porly monitored. A hospital wide system for continuously monitoring all as of deterioration in a patient's condition and alert clinical staff before ever the Isansys' wireless patient monitoring system to reduce the cost be financially viable and clinically practical to provide continuous dications for all patients in a hospital.

ces good practice through monitoring of interactions between workers. Care Tracker can monitor and improve care quality in any



Research Tools Competition - AHSN Clinical Lead Eastern

Clinical Assessors – Dr Sarah Clarke, Cardiologist, Papworth Hospital; Dr Joanne Hackett, Programme Manager Research, UCL Partners; Dr Craig Ritchie, Senior Research Fellow, Imperial; Dr Rupert McShane, Consultant Psychiatrist, Oxford Health; Sally Standley, Director Cambridge & Peterborough Node, Eastern Academic Health Science Network.

Company	Award	AHSN location
TwistDx Ltd	£99,928	Eastern
Project	Developing a rapid point of care test for Chlamydia infection that uses patient swabs that will increase clinical utility of the test and offer greater patient choice.	
Capillary Film Technology Ltd	£97,760	Kent, Surrey & Sussex
Project		ordable microfluidic assays for rapid measurement of acute cardiovascular disease biomarkers at utilising a novel material - micro capillary film.
Lightpoint Medical Ltd	£96,600	UCL
Project	cancer patients w detect cancer in r	-time detection of cancer using a hand-held molecular imaging fibrescope. Nearly 1 in 4 breast ho undergo breast-conserving surgery will require re-operation because surgeons lack a means to eal time during the operation. The project tests the feasibility of a hand-held molecular imaging Il-time, intra-operative detection of cancer.
St George's University of London	£97,064	Imperial
Project	Developing innovative reagents for improving rapid diagnosis of mycobacterial infections. Supplements that when added to conventional culture testing media have been found to significantly speed up the normal very slow growth of mycobacteria and offer the potential to significantly improve diagnostic testing and treatment strategies.	
University College London	£99,449	UCL
Project	Dementia research recruitment and feasibility tool – an innovative application of cloud-based technology will make it easier for people interested in taking part in dementia research to be connected to appropriate studies. People can register via the internet, a help desk or their memory clinic. Researchers, with ethical permission, can use the register to find people quickly and efficiently for their studies.	
University of Edinburgh	£98,336	Scotland
Project	Developing of a novel triage test to reduce numbers of women with Human Papilloma Virus (HPV) infection referred for unnecessary colposcopy. Persistent infection of the cervix with high risk types of Human Papilloma Virus (HPV) can cause cancer which cervical screening aims to prevent. The way cervical screening is performed is changing and molecular HPV-DNA testing will replace cytology of cervical smears as the first line test.	

Progress of Companies from Previous Competitions

January 2013 Phase 1 Competitions

In addition to the newly launched competition, the AHSNs inherited eight companies that had been selected in August 2013 to progress the feasibility of their products in the clinical themed areas of Mental Health and End of Life.

These companies were selected involving clinical leaders chosen by the SHAs plus business and TSB representatives. The SBRI Healthcare programme board is particularly appreciative of the assistance provided by representatives from Marie Curie, Sue Ryder, MIND, the South Essex Partnership NHS Foundation Trust, the Isabel Hospice and the Birmingham St Mary's Hospice in this stage of the process.

Table 2. Phase 1 Winners from Mental Health & End of Life Competition, August 2013

Company	Award	AHSN Location	
Advanced Digital Innovation (UK) Ltd	£99,420	Yorkshire Humber	
Project	Developing a suite of self-help digital produc practitioner to have a balanced step-wise pr for example, a mobile phone app.		
Big White Wall Ltd	£99,325	South London	
Project		Developing a digital mental health and wellk through a choice of safe therapeutic service	
Docobo Ltd	£99,887	Kent, Surrey & Sussex	
Project	Developing OptNIVent in association with Ai prescribed with Non-Invasive Ventilation (NI with the objective of making their lives more		
Dorset Mental Health	£82,020	Wessex	
Project	Developing Mod	odbase, a tool for people wh	
Dynamic Health Systems Consulting LLP	99,540	Yorkshire Humber	
Project	Developing VitruCare in association with Sue with long-term conditions which offers subsi an improved sense of personal control at the		
Grey Matters Ltd	£91,230	North East & North Cumbr	
Project		Developing an online, patient-centric end of communication among the whole care grou	
St Joseph's Hospice Hackney	£100,000	North East London	
Project	Developing Care Compass - a national patier service users and health service providers.		
University of Bristol	£94,204	West of England	
Project	Developing gNats Island, a therapeutic comp Therapy (CBT) and supports an evidenced-ba anxiety.		

ucts to support people with chronic pain, enabling both patient and process to self-assess, self-manage, and self-monitor changes in pain via

being service which delivers personalized pathways to recovery es, available from home 24 hours a day, 7 days a week.

Aintree University Hospital, remote respiration management for patients IIV). The project is focused on patients with Motor Neurone Disease re comfortable.

ho are suffering from mental health and wellbeing issues.

ue Ryder, an internet delivered supported self-care service for people stantial improvement in the quality and efficiency of care, together with he end of life.

ria

of life care pathway tool, empowering patients and improving

ent-led end of life and palliative care web portal suitable for health

nputer game and mobile apps that integrate Cognitive Behavioural based intervention for young adolescents experiencing depression and Each company completed a report at the end of the 6 months feasibility phase in February 2014. In March 2014 companies were assessed again by panels determined by the SBRI Healthcare programme management board which included clinical leaders from the areas of Mental Health and End of Life. Following the assessment period the following five companies were selected to progress to Phase 2 – where they will be funded to develop the products as outlined.

Table 3. Phase 2 Winners from Mental Health & End of Life Competition, March 2014

Company	Award	AHSN Location
Advanced Digital Innovation (UK) Ltd	£786,550	Yorkshire Humber
Project	Developing a suite of self-help digital products to support people with chronic pain, enabling both patient and practitioner to have a balanced step-wise process to self-assess, self-manage, and self-monitor changes in pain via for example, a mobile phone app.	
Big White Wall Ltd	£393,254	South London
Project	Developing a digital mental health and wellbeing service which delivers personalized pathways to recovery through a choice of safe therapeutic services, available from home 24 hours a day, 7 days a week.	
Docobo Ltd	£427,775	Kent, Surrey & Sussex
Project	Developing OptNIVent in association with Aintree University Hospital, remote respiration management for patients prescribed with Non-Invasive Ventilation (NIV). The project is focused on patients with Motor Neurone Disease with the objective of making their lives more comfortable.	
Dynamic Health Systems Consulting LLP	£897,000	Yorkshire Humer
Project	Developing VitruCare in association with Sue Ryder, an internet delivered supported self-care service for people with long-term conditions which offers substantial improvement in the quality and efficiency of care, together with an improved sense of personal control at the end of life.	
Handaxe Ltd (University of Bristol)	£464,115	West of England
Project	Developing gNats Island, a therapeutic computer game and mobile apps that integrate Cognitive Behavioural Therapy (CBT) and supports an evidenced-based intervention for young adolescents experiencing depression and anxiety.	

Launch of Phase Three Competition

During the year the SBRI Healthcare programme management board considered the challenges of companies who had successfully completed product feasibility (Phase 1) and product development (Phase 2) parts of the programme. The Board heard from companies such as Fuel 3D Technologies and Polyphotonix, who had progressed to final trials and/or were selling products. The companies identified challenges in the healthcare system for product adoption and spread of new technologies. This was particularly relevant to technologies that require testing in a variety of clinical pathways and where the impact of the new opportunity needs to be more fully evidenced. Such validation would provide commissioners the economic and health models to support future purchasing decisions.

The experiences of funded companies chimed with the AHSNs' understanding of the take up of innovations in the NHS and the SBRI Healthcare programme management board launched the Phase 3 competition with the intention to accelerate product adoption. Providing the opportunity for product validation in NHS settings, Phase 3 contacts fund the pathway testing and healthcare economics of SBRI backed products. This competition was made available to all companies who had completed Phase 2 successfully.

Ten companies applied for Phase 3 funding and following an assessment by panels determined by the SBRI Healthcare programme management board, which included clinical and AHSN leaders, eight were selected for Phase 3 funding.

Table 4. Phase 3 Winners, March 2014

Company	Award	AHSN Location
Aseptika Ltd	£999,240	Eastern
Project	Pre-commercialisation of an integrated self-ma platform for patients with long-term respirator aeruginosa.	
Fuel 3D Technologies Ltd	£685,831	Oxford
Project	Specialist clinician led modification and validati produce a general medical imaging system incr international healthcare markets.	
Halliday James Ltd	£625,900	Oxford
Project	Piloting AUTO-MOTIVE which uses sensors to m and socialising. Changes in the pattern of these could be due to the start of a manic or depress part of their self-management programme or s	
Just Checking Ltd	£877,703	West Midlands
Project	Maximising independence and cost-efficiency for project to measure the improvements in care a technology to monitor activity patterns.	
OBS Medical Ltd	£617,096	Oxford
Project	Piloting Visensia Mobile, to improve patient saf deterioration and instability. Continuous multi- patients status via non-invasive measurement o waveform.	
Polyphotonix Ltd	£999,784	North East
Project	Piloting Noctura 400, a Sleep Mask for the prev based, primary care, non-invasive, monitored t cost.	
Rapid Rhythm Ltd	£664,400	North West
Project		ation and accelerated adoption e in Primary Care, Acute and Hy
Veraz Ltd	£928,462	North West Coast
Project	Trial and adoption of the Green Badge System, compliance in healthcare.	

anagement solution with on-ward and at home sputum test ry conditions suffering from chronic infection with Pseudomonas

tion of the existing Eykona Wound Measurement System to creasing the therapy applications for wider adoption in the NHS and

measure a range of activities such as walking, sleeping, travelling se activities have been shown to indicate a change in mood which ssive episode in Bipolar Disorder. This can be fed back to the user as sent to a therapist or clinician.

for people with learning disabilities. Commencing a 12 month and care delivery for people with learning disabilities using

afety and outcomes through the early detection of patient i-dimensional monitoring in the form of a single index (VSI) of of Heart Rate, SpO2 and derived Respiration Rate from the PPG

vention and treatment of Diabetic Retinopathy. This is a hometherapy, and will be delivered at a fraction of the current treatment

of a rapid one-step ECG handset device to replace traditional 12 lyper Acute Care.

a suite of technologies for monitoring and improving hand hygiene

Fuel3D

Company: Fuel3D (formerly Eykona Technologies Ltd) Competition Entered: Managing Long Term Conditions Innovation: Low-cost 3D Imaging Solution Total award: £1,215,663 awarded across Phase 1, Phase 2 & Phase 3 development stages Product availability: 2012

Overview

Using technology originally developed at the University of Oxford, Fuel3D is currently developing its scanner technology for a range of therapy applications and adoption in the NHS and international healthcare markets, supported by funding from SBRI Healthcare.

The Eykona Wound Measurement System is the original scanning platform developed by Fuel3D. It generates 3D images of wounds to allow objective measurement for accurate wound assessment.

The Eykona Wound Measurement System delivers accurate and repeatable 3D imaging technology to wound care, allowing any wound, scar or tissue blemish to be scanned, measured and mapped over time to inform medical processes. An innovative, lightweight and easy-to-use handheld unit captures the 3D images, which can then be analysed and shared by clinicians through pioneering software.

Fast processing enables rapid display of interactive 3D images and helps support an evidence-based approach to wound care, wound characterisation and management.

Patient perspective

Accurate measurement of changes in wound size and tissue condition is a revolutionary step in the assessment of wounds. By monitoring changes in volume and tissue structure, it's possible to more accurately understand the healing process and adapt treatment with optimum efficiency – saving time and money.

Visit: http://fuel-3d.com/eykona/

"Patients love it, because they can look at the photographs and see what's changing, particularly with diabetic feet as these patients often cannot see their wounds."

Stella Vig, Vascular Surgeon and London Diabetic Foot Network Lead Clinician



"This is a really good camera for me to see what is happening to the ulcers on my feet. I haven't seen them before and was not aware of their size. It was great to know from seeing the measurements that the ulcers were getting smaller and the treatment and advice are working." Patient comment

Economic impact

SBRI Healthcare funding has helped Fuel3D to expand from a team of four to over 20 staff in under a year. The company has been able to raise more than £7 million on the back of the progress made during Phase 1 and Phase 2 of the programme; for every £1 of SBRI funding, the company has raised approximately £7 in external investment.

Available since 2012, the Eykona Wound Measurement System is now in use in over 25 NHS Trusts, as well as in universities and research projects in the UK, Europe and Australia.

EvaluateMedTech estimates that the global medical device and diagnostic industry will total \$440bn in sales by 2018.

"Our success in securing SBRI Healthcare support increased market awareness and helped to validate the Eykona Wound Measurement System amongst our target customer base in the medical sector. The SBRI funding also carried significant weight with the wider investment community and was instrumental in helping us achieve our funding objectives," Stuart Mead, Chief Executive, Fuel3D



Company: Aseptika Ltd

Competition Entered: Improving the Health of People with Long-Term Conditions Innovation: Home use sputum test for the prediction of exacerbation of lung infections Total award: £1,242,500 awarded across Phase 1, Phase 2 & Phase 3 development stages Savings to the NHS: Estimated to be in excess of ± 50 million per annum Product availability: Q4 2016

Overview

Aseptika is a healthcare company who with the help of SBRI Healthcare funding, is developing a patient self-monitoring system in the form of a home-use sputum test used to predict the onset of lung infections in people with long-term respiratory disease. Patients with severe airways disease are often chronically infected by the bacterium Pseudomonas aeruginosa and in these patients, despite attempts to treat these infections, complete eradication can be difficult. Flare ups of the infection (exacerbations) are common, leading to deterioration in symptoms which can result in 3-4 prolonged hospital admissions per year. Repeated exacerbations resulting in loss of lung function reduce a patient's quality of life, are very disruptive, costly and can result in premature death.

In a simple to use cassette format (lateral flow), the sputum test and dedicated reading device combined with other self-monitoring devices as part of the Activ8rlives solution, can be used by patients at home to predict an increase in the virulence of the bacteria in chronically infected lungs, forewarning of an impending exacerbation. The sputum test is also able to support clinicians in their decision about the efficacy of antibiotics being prescribed. Small-scale trials have been conducted with volunteers who have Cystic Fibrosis (CF) using the laboratory-based version of the test. Further trials are underway with patients who have other respiratory conditions such as Chronic Obstructive Pulmonary Disease (COPD), non-CF Bronchiectasis (NCFB) and Asthma.

Lung disease has overtaken coronary heart disease and cancer as the major killer in the UK, making it the third largest cause of death. The NHS provides 2.8 million hospital bed days for sufferers, costing £1,857 to £4,096 per admission, spending an estimated £4.7 billion a year treating patients and 24 million working days are lost.

Patient perspective

It is anticipated that patient self-monitoring with this new test will reduce the frequency of unscheduled admissions for lung infections and reduce the 1 in 3 readmissions within 28 days of the first admission by 50-80%. The benefit for the patient is the longer preservation of lung function by seeking treatment earlier, by tracking bacterial biomarkers and other simple indicators such as: weight, levels of physical activity, temperature, blood pressure, oxygen saturation, peak flow and scores of wellness. Taken together, the patient, their family and carers can build a better understanding of their current state of health and will forewarn them of declining health. These same data can be shared with the healthcare professionals when needed and during future Clinical Reviews.



In the current Clinical Trial at Portsmouth Hospitals NHS Trust patient comments include:

"In the past I haven't had the tools to let me see when my lung function was declining". "These tools will allow me and my family, who are my carers, to communicate my health declines to the clinician so that we can get support and medication for a chest infection sooner".

"Using the simple monitoring tools and the iPad wizard was much easier than I had first thought and it reminds me what I need to do every day as part of my routine." "I feel like I'm making a difference to being able to manage at home and keeping out of hospital."

Economic impact

SBRI Healthcare funding has allowed Aseptika to create five full-time new roles and fund two NHS research staff for the duration of the clinical trial. Sales of the sputum test product are expected to start towards the end of 2016, as the Company develops, manufactures and conducts large clinical trials as evidence for NICE approval of the sputum test. 90% of sales will be overseas, as smoking and pollution take their toll in the developing economies.

In addition to SBRI Healthcare funding, the company has raised a further £99,000 from an additional SBRI grant to develop a third-generation of wearable health monitors for consumers.

There are currently 46,000 subscribers to the Activ8rlives online self-management solution.

"The SBRI Healthcare competition process enabled us to make a real difference in the care of longterm respiratory disease. It has been more than just funding - the award brings us credibility within statutory healthcare providers in the UK and EU... without it, the novel products we are creating would never have been developed."

Kevin Auton, Managing Director, Aseptika

Visit: www.activ8rlives.com







Advanced Digital Innovation (UK) Ltd (ADI)

Company: Advanced Digital Innovation (UK) Ltd (ADI)

Competition Entered: Mental Health

Innovation: Pathways through Chronic Pain – an App-based CBT agent for supported self-management of chronic pain

Total award: £885,970.00 awarded across Phase 1 & Phase 2 development stages

Savings to the NHS: Estimated at £20 million per annum

Product availability: End Q1 2 2015

Overview

Advanced Digital Institute (ADI) has built a reputation within the UK as a leader in the field of technology-enabled health and care services. The company has been awarded SBRI Healthcare funding to develop a suite of self-help digital products to support people with chronic pain. The technology will enable both patient and practitioner to have a balanced step-wise process to self-assess, self-manage, and self-monitor changes in pain.

Pathways through Chronic Pain is being developed as a cost-effective Cognitive Behavioural Therapy (CBT)-based pain management programme without the need for direct involvement by a therapist or clinician. Working closely with clinical experts in the field of persistent pain, ADI is investigating the role a mobile phone app, and other pain management tools, might have for those suffering with persistent pain and the associated anxiety and depression.

The results from a proof of concept project have been very positive and have informed the design of the full proposition for a commercial service, which is now in development. In addition to progressing the digital services, further development will ensure full integration in the Pain Pathway with the support of clinicians and other healthcare professionals 'on-line'.

An estimated 5.3 million people suffer from chronic pain in England which has a major impact on sufferers' lives, with 24% reporting a diagnosis of depression and 26% reporting an impact on employment.

Patient perspective

A feasibility app, co-produced with users and clinicians, included a range of features such as tension alerts, relaxation resources, medication tracking and the use of games to support engagement, goal-setting and adherence. Feedback from users was very positive and concluded the Pain Management Plan worked extremely well as a chronic pain management app.

Visit: www.adi-uk.com



"One of things I really loved about it was that I got quite poorly for a few days and I started struggling with my activity goals, and kept recording 'I struggled, I struggled'. After a couple of times the app flashed up and said 'are you sure this goal isn't too high for you - do you want to adjust your goal'. I thought this is brilliant and so I changed it and started meeting it again and that was so much better than keeping failing." Patient feedback

"As a pain specialist physiotherapist familiar with the pain plan I think this app is excellent. I have set goals and goal alerts and look forward to being reminded about them. It is easy to use so far." Clinician feedback

Economic impact

SBRI Healthcare funding is allowing the creation of four full time roles this year, with additional recruitment planned for 2016/17. Full commercial availability of the Pathways through Chronic Pain App is expected end Q1 2015, with exported sales planned for 2016/17.

The app will bring savings to the NHS as a result of reduced medication costs, specialist services and GP attendances. Based on forecasted sales, the estimated minimum savings to the NHS from the areas deploying the product are in the region £20M per year by 2017.

"Without SBRI Healthcare funding it would have taken much longer to develop the proof of concept service and evaluation, and it is then difficult to see how we would have progressed to development of the commercial service without this investment."

David Harson, Programme Manager





Financial Report

Overall contracted spend in 2013/14 across all competitions was £11.3m (net contracted amount). This contributed to the Treasury target of £30m for Health with the Department of Health also achieving spend in 2013/14. The spend is broken down by category in Table 5 showing both the company awards by competition and the administration costs of running the programme.

Table 5. Spend in 2013/14 by Category

Category	2013-14 Spend
Company Awards	
SBRI 4 (Phase 1 Q1&2)	£651,691
SBRI 4 (Phase 2)	£2,473,910
SBRI 5 (Phase 1)	£2,840,915
SBRI 6 (Phase 3)	£5,332,017
Sub-total	£11,298,533
Administration Costs	
PMO Costs (incl. Project Lead)	£383,301
Expenses	£9,576
Technical Assessors	£88,504
Health Economics	£34,505
PR/marketing	£63,519
Evaluation	£15,984
Legal	£12,505
Sub-total	£607,894
Grand Total	£11,906,427



32

SBRI Healthcare

sbrihealthcare.co.uk @sbrihealthcare sbrienquiries@hee.co.uk



