



SBRI HEALTHCARE ANNUAL REVIEW

2014/15

Accelerating innovation in health

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*The***AHSN***Network*



SBRI Healthcare is run by England's 15 Academic Health Science Networks (AHSNs)



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SCIENCE NETWORK

IMPROVING HEALTH THROUGH INNOVATION

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**Academic Health
Science Network**

Igniting Innovation

Oxford Academic
Health Science Network

Kent Surrey Sussex
**Academic Health Science
Network**

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HEALTH PARTNERS

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Academic Health
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Eastern Academic
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Innovation
Network
South London

UCLPartners
Academic Health Science Partnership

west midlands
ACADEMIC HEALTH SCIENCE NETWORK

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SCIENCE NETWORK
NORTH EAST AND NORTH CUMBRIA

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Science Network

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CHAIR'S MESSAGE

It's been another excellent year for SBRI Healthcare – bringing essential funding to help companies develop solutions that improve patients' lives and support NHS efficiency.

SBRI Healthcare is funded by public money through NHS England and that money is working very hard to focus the creativity of industry onto the biggest challenges that the NHS is facing. We have now awarded more than 150 contracts across all phases of the programme and this year, have invested £22 million and are supporting 95 companies at various stages in the development pipeline, addressing clear unmet needs in themes such as the diabetic foot ulcer, child and adolescent mental health, and brain injury.

Improving quality of lives and outcomes is paramount. SBRI Healthcare supported innovations enable patients to better manage and understand their own conditions or improve the safety and quality of care – potentially saving lives and reducing harm. There are also economic benefits with independent health economic assessments conservatively estimating savings to

the NHS to be in the region of £1.5 billion, roughly equivalent to what the NHS spends every five days.

This is exciting work, but we need to do more to support the NHS. NHS England's *Five Year Forward View (FYFV)* points to the necessity of organisations from different sectors combining to address current healthcare challenges – of which care of older people is at the top of many regions' lists. This coming year we are therefore running competitions on older people with multiple morbidities and reducing pressure on urgent and emergency care.

SBRI Healthcare particularly wants to find and attract companies not currently in the healthcare area, identifying science and technology developed in one sector and supporting their redesign to meet healthcare needs. We are already working with

companies in the defence sector and have other organisations selling products in sectors such as motorsports and consumer technology that are now moving into the healthcare space for the first time. This is good to see, but we think there is scope for more and this is a goal for the coming year.

The role of the AHSNs is critical both in the development of clearly articulated description of the challenges faced by clinicians, patients and NHS but also their system stewardship to create an environment where companies can overcome the barriers that sometimes prevent their innovations from developing into maturity and being widely adopted.

I will be stepping down this autumn as Chair of the SBRI Healthcare Programme Board having completed

two years. I'm delighted that Adrian Bull, MD of Imperial College Health Partners AHSN, is taking over. I will continue to take an active role in the work particularly with the opportunities that we provide for SMEs, and I look forward to continuing to support Adrian and the AHSN teams.

Finally I want to say thank you to all the companies, clinicians, researchers and others who have worked with us to make 2014-15 a successful year for SBRI Healthcare. Please be encouraged that the work you are doing is improving quality, improving efficiency, creating wealth and – most importantly – improving the lives of patients.

Peter Ellingworth, Chair

“

SBRI Healthcare particularly wants to find and attract companies not currently in the healthcare area, identifying science and technology developed in one sector and supporting their redesign to meet healthcare needs. ”



ABOUT SBRI HEALTHCARE

WHAT WE DO

SBRI Healthcare is an NHS England-backed programme that provides funding to companies to solve healthcare problems.

This year we have awarded new contracts with a total value of £22.4m to 60 companies. And we have worked with AHSNs and the NHS to give detailed specifications to industry for some of the NHS's most pressing needs.

Our goal is to create solutions that will improve patient care, improve efficiency for the NHS and enhance economic growth for UK companies.



KEY FACTS

- SBRI Healthcare supports a programme of competitions inviting companies to come forward with ideas and new technologies for known NHS challenges
- These ideas are assessed and a fully-funded development contract is agreed between the company and the NHS. SBRI Healthcare monitors the contract, the NHS is the lead customer
- The SBRI Healthcare programme starts with an initial identification of unmet need, undertaken by clinicians and front-line staff. Challenges are offered to industry to test the feasibility of their ideas. If these projects are successful in testing this can result in a contract to develop the product
- We design our process to be especially suitable for SMEs and early stage businesses to give funding for a critical stage of product development. We are also particularly keen to help businesses test cross-over innovations from other sectors
- While the public sector has the right to license the subsequent technology, the intellectual property (IP) remains with the company enabling growth and wealth creation for the UK economy
- AHSNs ensure that clinicians specify the challenges while making sure the products meet frontline needs

HOW WE ARE RUN

SBRI Healthcare is part of the Government's wider SBRI programme but is directly funded by NHS England.

The programme is run by the Eastern AHSN on behalf of England's 15 AHSNs, listed below.

We are governed by a programme management board with representation from AHSNs, industry, NHS England and Department of Health. The Chair of the board is Peter Ellingworth, former Chair of Greater

Manchester AHSN, non-executive member of Oxford AHSN and Chief Executive of the Association of British Healthcare Industries.

Karen Livingstone, Director of Partnerships and Industry Engagement at Eastern AHSN is the National Director of SBRI Healthcare.

The day-to-day management support of SBRI Healthcare is carried out by Health Enterprise East.

ACADEMIC HEALTH SCIENCE NETWORKS

Eastern
eahsn.org

East Midlands
emahsn.org.uk

Greater Manchester
gmahsn.org

Health Innovation Network (South London)
hin-southlondon.org

Imperial College Health Partners
imperialcollegehealthpartners.com

Kent, Surrey and Sussex
kssahsn.net

North East and North Cumbria
ahsn-nenc.org.uk

North West Coast
nwcahsn.nhs.uk

Oxford
oxfordahsn.org

South West
swahsn.com

UCL Partners
uclpartners.com

Wessex
wessexahsn.org

West Midlands
wmahsn.org

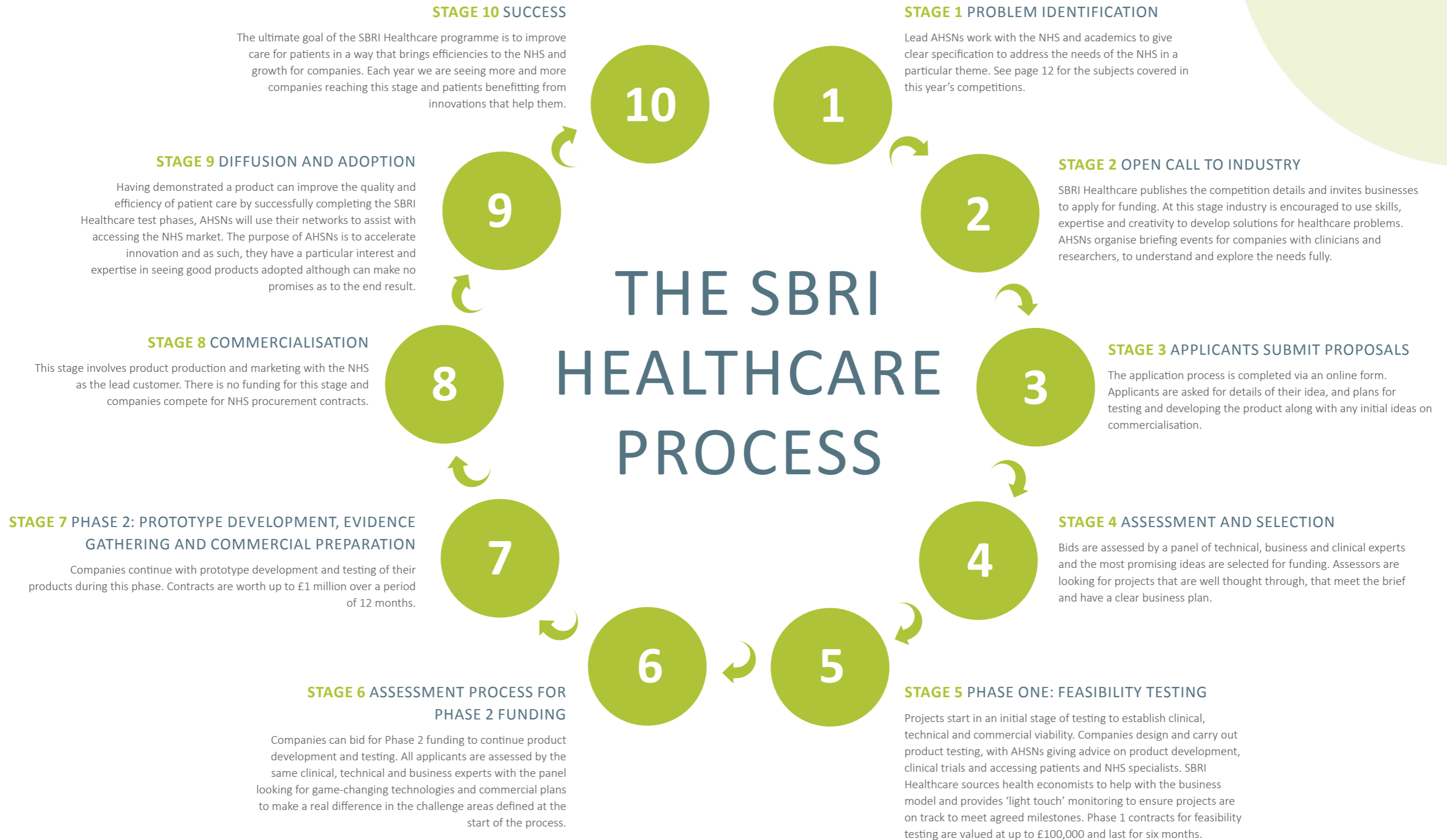
West of England
weahsn.net

Yorkshire and Humber
yhahsn.org.uk

PROGRAMME MANAGEMENT BOARD MEMBERS (DURING 2014/15)

ROB BERRY	Head of Innovation and Research, Kent, Surrey and Sussex AHSN and representing Wessex AHSN.
ANNE BLACKWOOD	Chief Executive Officer, Health Enterprise East, Management support
STEPHEN BROWNING	Head of SBRI, Innovate UK
ADRIAN BULL	Managing Director, Imperial College Health Partners and representing UCL Partners
ANDREW CHEESMAN	Finance Manager, Financial Strategy, NHS England
DAVID CONNELL	SBRI expert and business representative
TONY DAVIS	Commercial Director, West Midlands AHSN
PAUL DURRANDS	Chief Operating Office, Oxford AHSN
PETER ELLINGWORTH (Chair)	Chief Executive of Association of British Healthcare Industries (ABHI) and non-executive Director, Oxford AHSN and Health Innovation Network
CHRIS HART	Commercial Director, East Midlands AHSN
JOHN HOLDEN	Director of Policy, Partnerships and Innovation, NHS England
KEVIN KIELY	Managing Director, Medilink UK
ANNA KING	Commercial Director, Health Innovation Network (South London AHSN)
KAREN LIVINGSTONE	National Director, SBRI Healthcare and Director, Industry Partnerships EAHSN
PATRICIA ROBERTS	Programme Manager, North West Coast AHSN
SUE SMALLEY	Commercial Directorate representative, Department of Health
RICHARD STUBBS	Commercial Director, Yorkshire and Humber AHSN and representing North East and North Cumbria AHSN
LARS SUNDSTROM	Director of Enterprise and Translation, West of England AHSN and representing South West Peninsula AHSN
DR ROBERT WINTER	Former Managing Director of EAHSN, served on the board for the first half of the year before he moved to UCLP





OUR YEAR AT A GLANCE



10

10 new clinically-led competitions where NHS needs have been articulated for business to respond to



£4.2m

40 Phase 1 contracts awarded with a total value of £4.2m

382



382 applications from industry assessed

20

20 Phase 2 contracts awarded with a total value of £18.2m



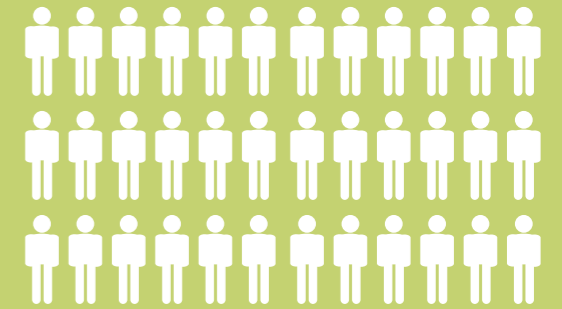
SBRI HEALTHCARE TOTAL IMPACT TO DATE



£1.5bn

Estimated cost saving value of pipeline: £1.5bn

200



Approx 200 jobs created or safeguarded



£42m

£42m total funds awarded

£32m

£32m additional funding leveraged through grants and venture capital

152

152 contracts awarded across Phases 1,2,3



Phase 1 Phase 2 Phase 3



17

17 products already on the market with many more ready to come to market in next 12 months

SPARK 2014

The SPARK 2014 event in London in December showcased innovations from 50 companies that are testing and developing their ideas with support from SBRI Healthcare.

300 delegates from across the NHS, government, academia and industry heard presentations from George Freeman, Minister for Life Sciences; Ian Dodge and Prof Tony Young, directors representing the commissioning and clinical functions at NHS England; and Iain Grey, Chief Executive of Innovate UK.

Iain Grey said, "The SBRI process enables any part of the public sector to engage with new suppliers for mutual benefit – stimulating economic growth. SBRI Healthcare is a clear example of this in action. It plays a pivotal role in ensuring small, innovative

companies get the opportunity to turn bright ideas into commercially viable products. It benefits patients, the NHS, industry and UK plc."

The 15 AHSNs were on hand all day to guide delegates through the application process for funding and to speak with the NHS about how innovations can be procured and put into practice to enhance healthcare.

Feedback from delegates was excellent and gave us useful guidance for the next event which is pencilled in for Autumn 2016.



2014-15 COMPETITIONS

The SBRI Healthcare process is built around defined competitions. Companies are invited to bid for funding to develop solutions for specific health needs.

SPRING 2014

- Child and maternal health
- Integrated care
- Medicines adherence
- Musculoskeletal
- Learning disabilities

AUTUMN 2014

- Brain injury
- Outpatient services
- Child and adolescent mental health (CAMHS)
- Improving the care of the diabetic foot ulcer
- Medical imaging



AHSNs at the heart of SBRI Healthcare successes

SBRI Healthcare is run by England's 15 Academic Health Science Networks (AHSNs) who take the lead in running competitions, promoting the competitions to industry in their regions and encouraging adoption of successful innovations.

All the AHSNs are active in promoting SBRI Healthcare competitions to potential innovators and businesses throughout their region often through events, newsletters, social media, trade bodies and webinars. They will also promote successful bidders from their region. For Oxford AHSN this included encouraging winners from their region to showcase their work via posters at the BioTrinity 2015 event.

Nominated AHSNs lead on running the calls and competitions. East Midlands AHSN ran the 'improving the care of the diabetic foot ulcer' category within Autumn 2014 last year, working with Innovate UK's Knowledge Transfer Network (KTN).

The region has two world-leading centres for research and treatment of diabetes patients – the Leicester Diabetes Centre, (run by Leicester University Hospitals NHS Trust and University of Leicester Medical School) and Derby Teaching Hospitals NHS Trust. Clinical staff from both these centres and primary care clinical staff contributed to defining the unmet needs and requirements and were also part of the assessment panel.

"The SBRI Healthcare programme is a key opportunity to focus the initiatives of innovative companies on developing solutions to unmet needs and challenges within the UK NHS and healthcare system," says Chris Hart, Commercial Director. "The subsequent support which successful applicants receive has been critical in enabling some East Midlands-based companies to make the investments required to bring innovations and products to market.

"NHS clinicians involved in the SBRI Healthcare programme have also benefited by learning more about new technologies and innovations which could be of use in their areas of practice, even if some of these are not yet at the stage where they are suitable for direct SBRI Healthcare support. All of this is clearly beneficial to patients, staff and the UK economy."

South West AHSN ran the integrated care call in Spring 2014. They were keen to make sure commissioners as well as clinicians were involved.

"We recognised the importance of getting the perspective of the potential customer, in this case, commissioners," explains Jon Siddall, Director of Investment Partnerships. "This meant that the companies selected had the opportunity to match up with CCGs during the feasibility stage to co-create innovative new solutions."

For all AHSNs SBRI Healthcare offers the chance to assist industry in their region by giving support and being clear about identifying needs.

Jon Siddall explains, "SBRI Healthcare is well-aligned with what AHSNs are here to do: finding innovations that help us solve problems we face in NHS. This is why South West AHSN has positioned SBRI Healthcare as a core part of our work programme. If we work in a joined up way it meets the success criteria for SBRI Healthcare, our AHSN and our member organisations.

"We encourage a 'challenge-led' way of working – understanding the needs and problems in the NHS and working out how to pull through solutions into the NHS with the ultimate aim of benefiting patients. This is central to how SBRI Healthcare works and gives focus for industry so that they don't have to throw ideas at the NHS and hope they stick."

“

The SBRI Healthcare programme is a key opportunity to focus the initiatives of innovative companies on developing solutions to unmet needs and challenges within the... NHS. ”

The AHSN Network

Vital signs monitor improves patient safety

Company: Isansys Lifecare

Competition: Patient Safety and Patient Monitoring / Improving Diagnosis and Treatment Management of Cancer

Innovation: The Patient Status Engine (PSE), continuous, wireless vital sign data acquisition and analysis platform

Total award: £1.2 million awarded across Phase 1 and Phase 2 development stages

Savings to the NHS: In excess of £30 million per annum

Product availability: Available

SUMMARY

Isansys Lifecare has developed a way of continually monitoring the vital signs of patients whether they are in hospital or at home. The Patient Status Engine (PSE) integrates a range of advanced medically-certified, wireless, wearable sensors, with secure networking technologies and predictive analytics.

The PSE addresses critical patient safety issues - reducing the number of avoidable deaths and adverse events in hospital, reducing length of stay and enabling new pathways to keep patients out of hospital in the first place. It offers significant cost savings to the NHS and increased independence for patients.

OVERVIEW

Isansys is a new-generation digital healthcare company combining medical devices, healthcare IT and big data analytics to provide an innovative, low-cost and scalable patient monitoring platform. The PSE integrates a range of advanced, medically-certified, wireless, wearable sensors, with secure networking technologies and predictive analytics to continuously collect multiple vital sign data simply, securely and automatically from patients. It works whether patients are in hospital or at home and it analyses the data and delivers patient status indicators to a nurse station, call centre or via secure apps to clinical staff in any location.

The platform addresses critical patient safety issues that cost the NHS an estimated £5 billion annually. By significantly improving patient monitoring and providing more robust and timely early warning indicators, the PSE enables healthcare providers to reduce the number of in-hospital avoidable deaths and adverse events, and to discharge patients earlier and with greater confidence. By enabling critical care to be extended out of the hospital into the home, the PSE also supports new pathways to keep patients out of hospital, with subsequent benefits for patients and cost reductions for providers.

“

The SBRI Healthcare funding has enabled us to rapidly re-engineer the PSE for scalability, lower cost manufacture and expanded functionality. It has also provided support for early stage clinical deployments, so that we now have a proven world-leading medical product that is gaining traction in export markets as well as the NHS, placing Isansys in a leading position in a rapidly developing multi-billion dollar global market. ”

Isansys CEO Keith Errey

PATIENT PERSPECTIVE

On general wards a patient's status can easily change in between observations. The PSE gives patients the same level of observation that they would get on an intensive care ward, giving clear benefits to staff and patients. As one patient said, "With this system I can move about, feeling reassured that the doctors and nurses can continually check on my condition. I feel free and comfortable and safe."

ECONOMIC IMPACT

The estimated costs to the NHS associated with patient safety are £5 billion. It's difficult to assess the exact saving that the PSE could release but it is likely to be in the region of 50%. The cost of widespread adoption of the PSE is of the order of £1 billion leading to annual net saving of £1-2 billion if 100% adoption achieved.

Visit: www.isansys.com



KEY FACTS

- A device worn by patients that continually monitors vital signs
- Improves independence, allowing patients to leave hospital earlier
- Improves patient safety because patients are always observed
- Could save a significant proportion of the NHS's £5bn patient safety costs

Lung cancer diagnosed from patient breath

Company: Owlstone

Competition: Better Health Outcomes (Cancer)

Innovation: LuCID (Lung Cancer Indicator Detection)

Total award: £1.2 million across Phase 1 and Phase 2 development stages

Savings to the NHS: Estimated at £82 million per year

Product availability: 2017

SUMMARY

Owlstone took chemical detection technology developed in the defence sector and applied it to health. The LuCID (Lung Cancer Indicator Detection) project will help the diagnosis of lung cancer by measuring the trace chemicals present in the breath of patients. It's a less invasive test and by allowing more effective and less expensive treatments after an earlier diagnosis, LuCID has the potential to save 3,200 lives and £82 million each year.

OVERVIEW

Owlstone was founded in 2004, as a spin-out from the engineering department at the University of Cambridge, to commercialise the miniature chemical detection system that co-founder Andrew Koehl had developed during his PhD. In the wake of the 9/11 attacks, the company's focus was originally on defence and security applications. However, it became clear that the underlying technology would be equally useful in medical applications involving the detection of biomarkers - tell-tale chemicals in breath and/or bodily fluids that indicate the presence of particular diseases. The LuCID project applies this technology to the detection of lung cancer by measuring chemicals in patients' breath.

Every year, there are around 45,000 new cases of lung cancer in the UK. When diagnosed at stage one, 35% of patients will live at least a further five years, while for those diagnosed at stage four, the five-year survival rate is close to zero. However, at present just 15% of new cases are diagnosed at stage one. By increasing this to 25% of cases, LuCID aims to save 3,200 lives every year. During Phase 1 of the project, 12 lung cancer markers were identified and measured in simulated human breath samples. Phase 2 will work with Papworth Hospital in Cambridge and Glenfield Hospital in Leicestershire to verify the effectiveness of the test using a cohort of lung cancer patients and controls.

PATIENT PERSPECTIVE

LuCID promises the twin benefits of a more pleasant clinical experience and improved health outcomes. Current lung cancer screening techniques, such as chest x-ray, CT-scan and bronchoscopy, are not without risks, and bronchoscopy in particular is a highly invasive medical procedure, involving a tube being fed through the nose or mouth, down the windpipe and into the lungs. By contrast, a breath test is a straightforward, minimally-invasive procedure that can be quickly and easily carried out.



“

If you could change only one thing in the fight against cancer, it would be to detect the disease earlier where existing treatments are already proven to save lives. Owlstone's technology has the potential to deliver a quick and easy-to-use breath test, and SBRI Healthcare funding is allowing us to turn that potential into a reality.”

Billy Boyle, Owlstone Co-Founder

ECONOMIC IMPACT

Cancer Research UK estimates the average cost of treating patients diagnosed with stage four lung cancer to be £13,078, while treatment for patients diagnosed at stage one is just £7,952. Increasing the proportion of patients diagnosed at stage one from 14.5% to 25% will lead to a corresponding reduction in treatment costs of £82 million per year. For Owlstone, adoption of the breath test into a national screening programme would lead to around 1.3 million tests being carried out each year, at an estimated cost of £15 per test.

Visit: www.owlstonenanotech.com

KEY FACTS

- A non-invasive breath test to help diagnosis of lung cancer
- A cross-over innovation from the defence industry
- Early detection means 3,200 lives could be saved
- Potential savings of £82m in treatment costs



Cancer detector reduces repeat operations

Company: Lightpoint Medical

Competition: Better health outcomes: research tools

Innovation: Real time detection of cancer using a hand held molecular imaging fiberscope

Total award: Phase 1: £96,600. Phase 2: £947,120

Savings to the NHS: Estimated to be £28 million per year

Product availability: Planned Q4 2016

SUMMARY

Lightpoint Medical has developed a proprietary molecular imaging technology with the potential to detect cancer in real-time during surgery, and thereby reduce the need for re-operation. It helps doctors to ensure that they have identified all cancerous tissue. It helps patients by limiting the recurrence of cancer and has potential savings of £28 million for the NHS.

OVERVIEW

Cancer frequently requires multiple operations. For example, 20-40% of breast cancer patients who undergo breast-conserving surgery will require a re-operation. The consequences, in addition to the repeat operation itself, include delayed follow up treatment, higher risk of mastectomy, increased likelihood of recurrence, poorer functional and cosmetic outcomes, patient anxiety, and enormous financial cost.

Cancerous tissue often fails to be completely removed during the initial operation because there are no tools to rapidly and effectively detect cancer during surgery. Today, surgeons primarily rely on visual and tactile assessment to find microscopic cancerous deposits. Consequently, there is a tremendous medical need for improved tools to image cancerous tissue in real time during the operation.

Lightpoint Medical is a company dedicated to improving health outcomes for cancer patients through margin assessment and image-guided surgery.

The technology is based on Cerenkov Luminescence Imaging (CLI), a ground-breaking imaging modality that can perform optical imaging of Positron Emission Tomography (PET) agents. CLI combines the benefits of optical imaging (namely, low cost, high resolution, and portability) with the power of PET imaging (high diagnostic performance, and widespread availability of imaging agents).

Relative to competing technologies, CLI has the potential for greater diagnostic performance across a broader range of indications, without the need for developing novel contrast agents. CLI is roughly 100 times cheaper than a whole-body PET scanner. The company is developing engineering solutions to make CLI feasible for routine clinical use.



PATIENT PERSPECTIVE

There is significant benefit for patients if the operation succeeds in removing all cancerous tissue first time round. As a result of the technology, patients will benefit from reduced anxiety, reduced likelihood of recurrence, and improved survival, functional and cosmetic outcomes.

ECONOMIC IMPACT

Lightpoint Medical is expecting to release their first commercial product towards the end of 2015 and a second product in 2016. The team is rapidly growing from three in 2014 to a team of 15 in May 2015 and an expected growth to a total of 20 staff members at the end of 2015.

Revenue for Lightpoint Medical is expected to double year over year for the next three years with savings to the NHS in excess of £28 million annually.

Visit: www.lightpointmedical.com



KEY FACTS

- An innovation that helps surgeons detect cancerous tissue during an operation
- Significant health benefits for patients – reducing re-operations and recurrence of cancer
- Potential savings to the NHS of £28m

CASE STUDY UPDATES

CASE STUDIES IN PROGRESS

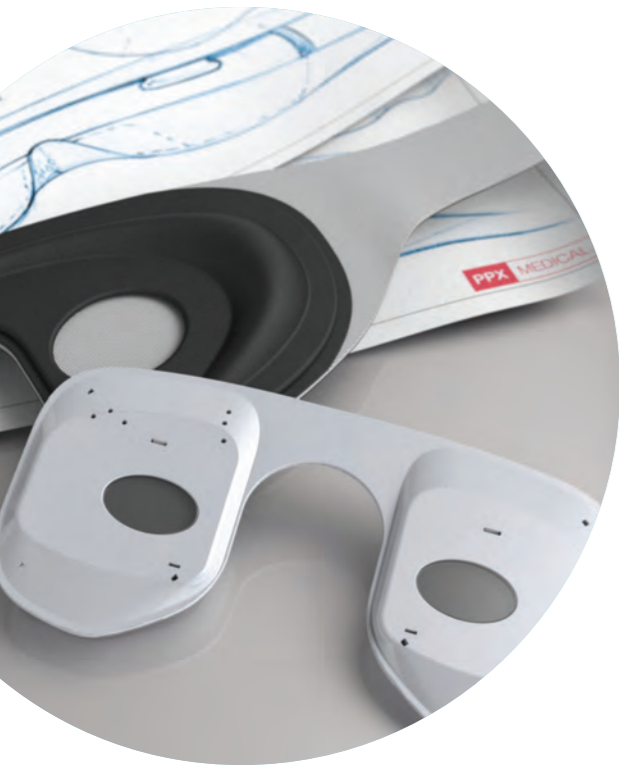
In last year's annual report we listed all companies that were receiving funding, and showcased several companies in case studies. Here is an update on the progress some have made in the last year.

Company: Polyphotonix

Innovation: Noctura 400 is a light-therapy sleep mask for the treatment of diabetic retinopathy. The alternative treatment is much more invasive and unpleasant for patients requiring surgery and eye injections. The sleep mask can show reversal of eye disease after six months.

Progress: After testing in eye clinics across the country, including Moorfields Eye Hospital, Noctura 400 is currently being sold privately and is in the process of NICE approval for authorisation and use in the NHS.

www.polyphotonix.com



Company: Fuel3D

Innovation: 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 hand held unit captures the 3D images, which can then be analysed and shared by clinicians through pioneering software.

Progress: Available since 2012, the Eykona Wound Measurement System has sold over 100 units and is used in over 25 NHS trusts as well as in universities and research projects in the UK, Europe and Australia.

The innovation has allowed re-designed services in podiatry and wound management, for instance in the Solent NHS Trust and the wound healing research unit at Cardiff University.

www.fuel-3d.com

“With the support of SBRI Healthcare funding Fuel3D has been able to design and manufacture the world's first point and shoot 3D Scanner that has a multitude of applications within medicine and in a growing number of additional applications both in the UK and internationally.”



Company: ADI – Advance Digital Institute

Innovation: ADI created a digital support app, Painsense, to help patients in the Leeds area. The app is based on *The Pain Toolkit* booklet developed with Pete Moore and Dr Frances Cole and helps those with persistent pain and the associated anxiety and depression.

Progress: The service has been commissioned by three clinical commissioning groups (CCGs) covering the entirety of Leeds and is being 'prescribed' by 109 GP practices. As part of this, Leeds West CCG, as clinical commissioning partner for the Phase1 development stage, redesigned the clinical care pathway to prepare for introducing the e-learning and digital apps to their clinicians and patients. This 'real world' test bed has ensured that the pathway refocusing now being offered by PainSense is both realistic and achievable within today's NHS.

www.pain-sense.co.uk



“PainSense aims to reduce the load on primary care through reduction in face to face appointments, and provide better care with less acute hospital admissions. Outcome evaluation data will be collected in the coming months and will be used to promote and evolve the service for national roll out.”

COMPETITION RESULTS

Mental Health and End of Life

5 companies completed Phase 2 in Spring 2015

Company	Award	AHSN location
Advanced Digital Innovation (UK) Ltd	£786,550	Yorkshire and Humber
<p>Summary: Rolling out a Leeds-wide demonstrator of a new digital service, PainSense, to support patients with persistent pain. The service is integrated into a new pathway of care and provides patients with digital resources for self-assessment and management in the form of engaging multi-media smartphone apps. These are integrated securely with NHS clinical systems, allowing a GP or other health care professionals to better monitor and advise patients. PainSense aims to reduce the load on primary care through reduction in face to face appointments, and provide better care with less acute hospital admissions. Outcome evaluation data is being collected and will be used to promote and evolve the service for national roll out.</p>		
Big White Wall Ltd	£393,254	Health Innovation Network (South London)
<p>Summary: Big White Wall is a digital mental health service supporting people with anxiety, depression and other conditions to improve their emotional wellbeing. Individuals with mental health problems are more likely to be overweight, to smoke, and to drink too much, which leads to health problems. The project has developed online courses on losing weight, stopping smoking, and cutting down alcohol, specifically for people with mental health problems. As courses are online, they can be accessed from home at any time with no need to see a doctor for a referral. The courses will be free on the NHS for people in many parts of the UK, and through some employers and universities.</p>		
Docobo Ltd	£427,775	Kent, Surrey and Sussex
<p>Summary: Developing in association with Aintree University Hospital, OptNIVent, to optimise non-invasive ventilation during palliation. Motor neurone disease (MND) is a progressive disease that attacks the nervous system where messages gradually stop reaching muscles including those which help us breathe, often resulting in the need of a ventilator for the last 18-24 months of life. The OptNIVent telehealth system enables more frequent ventilation management, down from once every 3-4 months to once per week if necessary and without increasing the number of clinicians involved. The improvement means less anxiety for patients and the regular health checks, recorded on the system, help clinicians to intervene earlier to prevent illnesses from developing. This new capability ensures the delivery of a higher level of care and a more comfortable quality of life for patients.</p>		
Dynamic Health Systems Consulting LLP	£897,000	Yorkshire and Humber
<p>Summary: Developing a secure, personalised and flexible digital health and care services delivery platform, with a package of digital services focused on supporting individuals who are felt to be in the last year of life. People in this position are able to use these services to identify and communicate with their own unique network of personal carers and supporters, to signal their needs, aspirations and end of life care choices to those caring for them. Both they and their carers receive relevant information from trusted sources to help them make appropriate choices. Using the same platform and the package of digital services to manage comorbidities, such as long term conditions, significantly extends the reach and range of this approach, particularly relevant today as the proportion of people diagnosed with life limiting illness due to non-malignant disease is increasing rapidly.</p>		
Handaxe Ltd (University of Bristol)	£464,115	West of England
<p>Summary: Pesky gNATs is a cognitive behavioural therapy (CBT) based mental health intervention for young people. It combines a desktop computer game and a mobile app to provide age-appropriate and engaging support for young people. Interventions for anxiety and depression and for trauma focused CBT have been created as well as a game and app to support mindfulness. These interventions will be available to mental health professionals who work with young people.</p>		

Phase 3 competition

8 companies completed Phase 3 in Spring 2015

Company	Award	AHSN location
Aseptika Ltd	£999,240	Eastern
<p>Summary: Developing a use-at-home test to measure the level of bacteria in the lungs of people with long-term respiratory diseases such as: COPD, Bronchiectasis, Asthma and Cystic Fibrosis, as part of a self-management solution called Activ8rlives. In the Phase 3 project, the test was moved from a laboratory format onto one which patients could use for themselves at home, along with other health monitors also provided by the company. A clinical trial was also undertaken in which 30 volunteer patients, with an average age of 67 yrs, successfully recorded and uploaded medical data on iPads provided each day for up to six months, proving that older patients can use Information Technology and are motivated to manage and maintain their own health, and enjoyed doing it. Education, empowerment and engagement of patients in managing their own health can be successfully achieved with the right tools and with support and encouragement.</p>		
Fuel 3D Technologies Ltd	£685,831	Oxford
<p>Summary: Design and manufacture of the world's first point and shoot 3D Scanner that has a multitude of applications both within medicine and in a growing number of additional applications both in the UK and internationally.</p>		
Halliday James Ltd	£625,900	Oxford
<p>Summary: Developing Auto-Motive in conjunction with the Universities of Cardiff and Warwick and the charity Bipolar UK to support people with bipolar disorder which affects 1-2% of the population and costs the NHS £342M per annum. The system uses a smart phone app and sensors to monitor the mood, activities and sleep of users. It is intended to augment self-management programmes where the user is taught to recognise feelings and situations which may lead to a manic or depressive episode. However, because the condition often affects the ability of the person with bipolar to recognise these signs with adverse consequences. As Auto-Motive automatically analyses the data on mood and events which the user enters in the app and the activity and sleep data from the sensors it can provide objective measurements which can alert the user with an early indication of the problem.</p>		
Just Checking Ltd	£877,703	West Midlands
<p>Summary: 'Just Right' proved that the Just Checking activity monitoring system could bring substantial efficiencies to supported living and residential services for adults with learning disabilities. 11 local authorities and their service providers used Just Checking to match service-user needs and get the care 'just right' - not too little, not too much - resulting in improved person-centred care for service users and financial savings which exceeded expectations. Return on investment was 500%, with the technology paying for itself within 3 months. Importantly, activity monitoring brought greater insight into the abilities and support needs of service users, leading to more finely-tuned support and better outcomes for service users.</p>		
OBS Medical Ltd	£617,096	Oxford
<p>Summary: Piloting Visensia Mobile, to improve patient safety and outcomes through the early detection of patient deterioration and instability. Continuous multi-dimensional monitoring in the form of a single index (VSI) of patients status via non-invasive measurement of Heart Rate, SpO2 and derived Respiratory Rate from the PPG waveform.</p>		
Polyphotonix Ltd	£999,784	North East and North Cumbria
<p>Summary: The Phase 3 project has been the catalyst for Noctura 400 (non-invasive, home based treatment for Diabetic Retinopathy) evaluation within the NHS. It has also initiated complimentary evaluation for early stage disease intervention in a primary care Optometry setting. Noctura 400 exposure has been increased as a result and as such has stimulated significant adoption interest from both patient groups and eye care professionals.</p>		
Rapid Rhythm Ltd	£664,400	North West Coast
<p>Summary: Economic validation and accelerated adoption of a rapid one-step ECG handset device to replace traditional 12 lead ECG for use in Primary Care, Acute and Hyper Acute Care.</p>		
Veraz Ltd	£928,462	North West Coast
<p>Summary: Trial and Adoption of the Green Badge System, a suite of technologies for monitoring and improving hand hygiene compliance in healthcare.</p>		

Competition results

Better health outcomes

Autumn 2013 (Cancer, Cardiovascular, COPD, Diabetes, Mental Health, Patient Safety, Research Tools)

35 companies completed Phase 1; 20 of these were successful and started Phase 2 in December/ January 2014

Cancer Companies	Award Phase 1	Award Phase 2	AHSN location
Oncascan Ltd	£64,774	£996,688	Oxford
<p>Summary: 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.</p> <p>The LGS test has been found to distinguish between patients with and without cancer. This project is to develop this invention into a practical system for use in clinical laboratories to improve the management of patients with suspected cancers.</p>			
Owlstone Ltd	£95,158	£999,614	Eastern
<p>Summary: A non-invasive screening device for early stage lung cancer utilizing breath diagnostics. As for most cancers, early diagnosis of lung cancer leads to better patient outcomes.</p> <p>A 12 month programme to evaluate the performance of a novel, highly sensitive and highly selective, Volatile Organic (VO) analyser, in the context of the early stage diagnostics of lung cancer by breath sampling. The programme includes instrumental development and clinical assessment</p>			
Astrimmune Ltd	£95,180	£1,000,000	East Midlands
<p>Summary: 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.</p> <p>The test uses techniques that are familiar in hospital labs for diagnosis of virus infections and tissue typing for transplantation. In this project the test will be 'road tested' in hospital labs and further work will be done in research to demonstrate the ability of the test to detect cancer before it has spread, and its ability to discriminate among gastrointestinal cancers.</p>			
Isansys Lifecare Ltd	£99,918	N/A	Oxford
<p>Summary: To extend the existing Patient Status Engine wireless patient monitoring platform and repurpose for home use, to provide warning notifications of sepsis early in the 72-hour period during which the condition becomes critical. During Phase 1 Isansys developed a new wireless clinical thermometer and created a mobile gateway to securely connect the small unobtrusive wearable sensors worn by the patients at home to a mobile network so that patients' vital sign data can be observed on a dashboard in real time by their caregivers. Additionally in a closely related clinical study, clinicians working with Isansys have shown clear correlations between changes in heart rate variability and the early onset of inflammation, providing evidence that an automated alerting system using HRV as a surrogate measure for early indications of sepsis can be now be incorporated in the enhanced PSE monitoring system."</p>			

Cardiovascular Companies	Award Phase 1	Award Phase 2	AHSN location
Spintech Ltd	£100,000	N/A	West of England
<p>Summary: Production of anatomically shaped disposable compression garments which do not lose their compression levels during the life of the product. Utilising a patent protected, revolutionary non-woven dynamic fibre, based on natural elastomer and cotton. The only commercially viable, biodegradable, non-woven fabric providing all direction elasticity and micro-porosity.</p>			
Cardiocity Ltd	£98,000	£945,821	West Midlands
<p>Summary: Combined Cardio and Vascular Screening (C2VS). This projects aims to converge two screening concepts, those of Blood Pressure and ECG, into a single system, with no wires or electrodes to provide combined cardio and vascular screening. It will produce a paradigm shift in the patient screening technology market that not only addresses the high cost of screening, but presents a device that has high patient acceptance levels.</p>			
Plessey Semiconductors Ltd	£97,166	£999,992	South West
<p>Summary: Using a proprietary sensor technology to develop a very low cost, easy to use, lead-one ECG device, known as imPulse, to assist primary care staff to identify arrhythmias and improve long term management and secondary prevention. The device can display a heart rhythm strip on any desktop, laptop, tablet or smartphone via a USB or Bluetooth link and is ideal for patients monitoring their own condition.</p>			
SilverCloud Health Ltd	£93,621	N/A	Ireland
<p>Summary: Developing an online platform to support self-management of symptoms and promote wellbeing of people with cardiovascular disease (CVD). CVD is responsible for premature death, impaired quality of life and has disproportionate service usage and costs. Psychological distress in CVD is common and associated with poor outcome. The project will develop an online cognitive, psycho-educational and psycho-therapeutic CVD-specific package to support self-management and promote wellbeing. This will improve access to holistic care while reducing costs.</p>			
Docobo Ltd	£99,648	N/A	Kent, Surrey and Sussex
<p>Summary: The Aegle system, developed in partnership with Crawley, Horsham and West Sussex CCGs, will support proactive programmes in primary care focused on CVD. Aegle integrates 'pointing' to patients at risk from existing risk stratification with remote monitoring technology to deliver individual care plans and track patients through screening, assessment and monitoring. It will enable clinicians to manage CVD as a single family and optimise a case finding approach that relies on the specific cardiovascular conditions.</p>			

Competition results

COPD Companies	Award Phase 1	Award Phase 2	AHSN location
Aseptika Ltd	£99,960	£999,384	Eastern
<p>Summary: Developing a medical-version of a Smartwatch to help people with respiratory disease to better manage their condition at home. The device will alert the wearer, their family and their medical team of rapid decline in health. Aseptika</p> <p>BuddyWOTCH continuously records blood oxygenation, heart rate, temperature, physical activity and chonical medication taken. It acts as an early warning of respiratory decline or failure and is combined into a potentially new index of respiratory efficiency. In Phase 2, two patent applications were made to protect the inventive steps.</p> <p>BuddyWOTCH is designed to be worn 24/7 for a 'rest-of-life assist' as a next-generation medical monitor, and will be marketed to consumers and the NHS under the Company's Activ8rlives brand for self-monitoring and self-management.</p> <p>Respiratory disease is the third largest cause of death in the UK and costs the EU €102 billion each year in treatment and lost working days. 5 million people in the UK have respiratory disease.</p>			
Team Consulting Ltd	£98,930	N/A	Eastern
<p>Summary: Developing an engineering prototype capsule dry powder inhaler (cDPI) which offers performance consistent with current market-leading devices but at a fraction of the cost.</p> <p>The cDPI employs an innovative airway geometry that makes efficient use of the limited inspiratory energy available from severe COPD patients.</p> <p>Using only plastic components, the risk profile of the product is dramatically reduced, as expensive, precision metal piercing elements are avoided.</p>			
Glyconics Ltd	£98,941	N/A	Wales
<p>Summary: Accurate diagnosis of COPD is an extremely difficult process. Using Fourier-Transforming Infrared Spectroscopy we can reliably and rapidly identify COPD samples and differentiate them from other respiratory syndromes. This project provides the means to develop the system into a cost-effective clinical tool for the NHS.</p>			
Cambridge Respiratory Innovations Ltd	£99,348	£999,759	Eastern
<p>Summary: The COPD home monitoring and treatment management device will enable COPD sufferers to better understand the quality of their respiratory function. This will result in better management of the disease itself, with users experiencing fewer uncontrolled exacerbations.</p> <p>The project demonstrate that an inexpensive COPD home monitoring and treatment management device is technically feasible, confirming that the concept is attractive to both COPD sufferers and healthcare professionals. The study also indicated that due to the disruptive nature of the proposed technology, healthcare professionals will require access to the results of both independent clinical evaluations and health economic research prior to adoption.</p>			
HealthQuest Solutions Ltd	£95,000	£964,107	Wessex
<p>Summary: 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.</p> <p>Phase 2 will trial, enhance and develop systems interoperability for the myCOPD. The web based system delivers much more than self-management, and telemedicine, as it assists patients though education, symptom reporting, inhaler technique videos and diary, exercise though a 6-week online pulmonary rehab program. myCOPD also delivers a clinician facing dashboard where patients and clinicians can work together to deliver an enhanced service at reduced cost by helping nurses and doctors utilise their resources more efficiently.</p>			

Diabetes Companies	Award Phase 1	Award Phase 2	AHSN location
Oxford Medical Diagnostics Ltd	£88,596	£750,519	Oxford
<p>Summary: Developing a breath ketone analysis for improved diabetes management. High blood ketones are associated with elevated breath acetone, and are indicative of the dangerous condition DKA. Laser sensor technology can measure breath acetone and provide a non-invasive early warning of this condition, but is not financially accessible for home use. This project assessed the feasibility of using cost effective technologies to achieve the goal of providing a non-invasive home based DKA warning device.</p>			
PsychologyOnline.co.uk Ltd	£98,032	N/A	Eastern
<p>Summary: Teams at PsychologyOnline, uMotif and Kings College Hospital have collaborated to build an integrated system to deliver online psychological therapy to people with Type 1 diabetes who are struggling to achieve optimal control of their blood sugar. Weekly therapy sessions are delivered by specialist diabetes nurses who have been trained to administer cognitive behavioural therapy (CBT) alongside normal diabetes care. The sessions take place in real time over the internet and are delivered via the PsychologyOnline website, using instant messaging. Care is augmented between therapy sessions through the use of motivational enhancement tools created by uMotif, which are delivered via a smart phone app.</p>			
GB Electronics (UK) Ltd	£96,813	N/A	Kent, Surrey and Sussex
<p>Summary: Reducing the impact of Diabetes Peripheral Neuropathy (DPN) on healthcare services and patients' quality of life through the development of a cost-effective thermal perception screening and monitoring device for early detection and long-term management.</p> <p>DPN currently costs the NHS £662 million each year, and can devastate a patient's quality of life and life expectancy. The project aims to develop an inexpensive thermal perception screening and monitoring device that can be used in primary care by practice nurses and other healthcare professionals as an early indicator of the onset of DPN.</p>			
i2r Medical Ltd	£96,221	£710,134	Wessex
<p>Summary: Developing a wound healing device specifically for the treatment of diabetic foot and leg wounds at an early stage to prevent infection and subsequent complications including amputations Achievements made during Phase 1 of the project included the identification and successful proof of concept testing of a novel wound healing device, specifically for diabetics suffering from chronic wounds. This device can potentially provide a very significant economic benefit to the NHS as well as materially improving the quality of lives of patients suffering from diabetic wounds.</p>			
Inotec AMD Ltd	£92,075	£997,499	Eastern
<p>Summary: Developing a topical oxygen therapy device for non-healing diabetic foot ulcers (TODFU).</p> <p>Collaborating with Addenbrooke's, St Georges and a group of other leading hospitals in a 100-patient clinical study on the healing of diabetic foot ulcers with Inotec's NATROX ambulatory topical oxygen therapy, which gives continuous day and night treatment while the patient carries on with normal life.</p> <p>In the same project Inotec and healthcare manufacturer Kimal plc will work on extending the scope of the product to cope with the most awkward wounds that occur in this condition. Initial clinical studies have been very encouraging but this larger trial will confirm just how effective this treatment is in healing wounds that may lead to severe complications including amputation.</p>			
ICNH Ltd	£100,000	N/A	UCL Partners
<p>Summary: Developing an online application that allows patients to view, manage and interact with their test results and appointment times.</p> <p>The study set out to assess whether or not patients would use online and SMS test results and care planning tools. 70% of patients in the pilot viewed the online portal, and all of those viewed their test results; 40% then went on to fill out a digital care plan. Feedback from patients and medical staff was very positive; patients turned up prepared to talk about their issues with a far more pro-active and self-motivated attitude, and the system had very little overhead for the practice manager.</p>			

Competition results

Mental Health Companies	Award Phase 1	Award Phase 2	AHSN location
Mayden House Ltd	£69,655	£467,000	West of England
<p>Summary: Developing IAPTus, a widely used patient management system for psychological therapies.</p> <p>The aim was To test the feasibility of, then develop a secure referral hub for, online psychological therapies. The intention is to provide a platform across which patients from Improving Access to Psychological Therapy (IAPT) services can be referred for online treatment more easily in order to facilitate a step change in use of this treatment modality, whilst enabling the patient's clinical record to be updated and maintained securely by the referring service and online provider throughout referral and treatment.</p>			
P1vital Ltd	£99,958	N/A	Oxford
<p>Summary: Antidepressants are widely prescribed for the treatment of depression but can take 4-6 weeks after starting an effective drug therapy before a patient feels any better. Many patients do not respond to the first drug prescribed and have to try several different drugs, one after the other, before an effective treatment is found. P1vital has developed a computer test called the GP-ETB, designed to be completed by depressed patients, to predict, early in treatment, whether an antidepressant drug is working.</p> <p>Initial results from a pilot clinical investigation showed that, when the GP-ETB test was completed after 7-9 days of treatment, it accurately predicted whether a patient was going to feel better after 4-6 weeks of treatment.</p>			
ProReal Ltd	£99,870	£987,247	Oxford
<p>Summary: The ProReal avatar therapy for mental health care pilot confirms there is potential for ProReal software to provide benefit to the therapeutic process by providing a visual and dynamic platform which helps the user to explore and label thoughts and feelings.</p> <p>The Phase 2 project will design and pilot a ProReal avatar-based software intervention for young people between 11 and 18 years. Building on the existing technology, the project will provide an easy access 'guided self-help' function which supports emotional resilience and the capacity to regulate affect.</p>			
IXICO plc	£97,780	N/A	Imperial College Health Partners
<p>Summary: MyBrainBook is a tool for supporting patients post a diagnosis of dementia and was developed as a collaboration between IXICO and the South London Health Innovation Network. MyBrainBook captures a profile of the patient and guides them through building a personalised careplan with the help of a facilitator. It can be shared with friends and family, healthcare practitioners or social workers to help improve the quality of life for those living with dementia, and can smooth transition to other care settings.</p>			

Patient Safety Companies	Award Phase 1	Award Phase 2	AHSN location
VIVO Smart Medical Devices Ltd	£97,435	£759,310	East Midlands
<p>Summary: Developing Pupiloscope, an innovative hand-held electronic device with patented technology that enables real-time detection, assessment and monitoring of pupil reactivity in patients with suspected head injuries.</p> <p>The device helps doctors, nurses and paramedics in trauma and emergency care to accurately measure and monitor subtle changes in pupil response. In such cases, quantified measurements enable faster treatments which improve outcomes for patients and reduce length-of-stay intensive care costs.</p> <p>Worldwide, traumatic brain injury (TBI) is a leading cause of death and permanent disability. In the UK over 1 million people a year attend A&E with a head injury.</p>			
Doctor Communications Solutions Ltd	£99,975	£1,000,000	West of England
<p>Summary 1: CareflowConnect creates a real-time clinical communications network which transforms how healthcare teams work together to improve patient safety and outcomes. It integrates with existing health information systems to modernise clinical workflow and increase staff productivity.</p> <p>The project demonstrates how routinely collected patient data, including observations, blood results and investigations, can be analysed and used to improve the reliability and safety of the care delivered by healthcare professionals. Qualitative and provisional quantitative data, as well as expert opinion, suggest that CareflowConnect's mobile alerting and messaging platform, can improve patient safety and deliver health economic benefit to the wider NHS. Evidence also supports the company's ability to further develop, implement and scale this technology across a wide range of care settings.</p>			
The Learning Clinic Ltd	£99,471	N/A	North West Coast
<p>Summary: Developing VitalPAC to monitor and record patient's vital signs. Nursing staff very quickly familiarised themselves with the technology with the time to document critical information quicker than with paper charts and errors reduced. User acceptability is high.</p>			
Isansys Lifecare Ltd	£99,918	1,000,000	Oxford
<p>Summary: To upgrade the existing Patient Status Engine wireless patient monitoring platform in order to enable clinical and nursing staff to continuously and automatically monitor vital signs and set early warning scores for patients in their care. During Phase 1 Isansys developed a new patient gateway based on a tablet computer that will provide an interactive terminal at each bedside as well as displaying real time patient charts and uploading the data from the wireless sensors worn discreetly by the patient to the Isansys server from where it can be displayed on the nurse dashboard or distributed to smart phones or tablets carried by staff. Additionally Isansys showed that by re-engineering the pulse oximeter and re-integrating it in the monitoring platform so that it shares data with the other devices, more robust clinical data is generated, including continuous non-invasive blood pressure indication.</p> <p>Outside of intensive care wards hospitalised patients are generally poorly monitored with manual spot check observations only carried out every four to eight hours. Between these times serious and often life threatening changes in a patient's condition can occur. The Phase 2 project will reengineer the Patient Status Engine to reduce the cost and increase the functionality so that it will be financially viable and clinically practical to provide continuous monitoring and automatic early warning indications for all patients in a hospital.</p>			
Veraz Ltd	£98,853	N/A	North West Coast
<p>Summary: Care Tracker empowers patients and reinforces good practice through 'touch' monitoring of interactions between patients, their surroundings, and healthcare workers. Care Tracker can monitor and improve care quality in any environment, from hospital to home.</p>			

Competition results

Research Tools Companies	Award Phase 1	Award Phase 2	AHSN location
TwistDx Ltd	£99,928	N/A	Eastern
<p>Summary: Developing a 15 minute point of care test for Chlamydia/Gonorrhoea.</p> <p>Studies have found that urine inhibits the test and samples require pre-treatment. The Phase 1 award funded early-stage development of a device that removes inhibitors from urine and a proof of concept with Chlamydia positive urine has been demonstrated. Further development of the device will help bring the test to the market, enabling a transformational change in clinical practice by enabling diagnosis and treatment of Chlamydia/ Gonorrhoea in a single visit to the clinic.</p>			
Capillary Film Technology Ltd	£97,760	£998,850	Kent, Surrey and Sussex
<p>Summary: To meet the growing need for quantitative measurement of multiple biomarkers at the point of care, CFT has developed a highly cost-effective microfluidic assay platform utilising a novel material, micro capillary film. The Phase 1 programme developed pre-product prototypes and delivered feasibility data illustrating quantitative rapid cardiac marker measurement in human blood samples, to justify investment into point-of-care cardiovascular product development.</p> <p>CFT has further developed affordable microfluidic testing technology that allows mass production of simple devices that can test three or more biomarkers in a single clinical sample. By measuring multiple cardiac markers, diagnosis of myocardial infarct (heart attack) can be made far more rapidly, not only speeding up treatment but also allowing many people to avoid a worrying and costly hospital stay</p>			
Lightpoint Medical Ltd	£96,600	£947,120	UCL Partners
<p>Summary: Developing a handheld camera for detecting cancer during surgery. The device successfully passed laboratory testing and progressed into clinical trials.</p> <p>For the next phase, the device is being developed for EU and US market entry, and research is being conducted on optimal pricing and reimbursement.</p>			
St George's University of London	£97,064	£992,416	Imperial College Health Partners
<p>Summary: 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.</p> <p>Tuberculosis affects nearly a third of the world's population and is so slow to grow that it makes diagnosis difficult and treatments costly. A novel media will significantly improve the time to detecting the bacteria and help with tests to decide on which antibiotic treatment will be most effective.</p>			
University College London	£99,449	£1,000,000	UCL Partners
<p>Summary: 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.</p> <p>The Phase 2 project will see further development of the technology platform through which a national consent-for-approach service for dementia rolled out across the UK, addressing one of the challenges identified in the Prime Minister's challenge on dementia. The technology and service model will be scalable and generalizable, providing a platform to deliver the cost saving and public involvement benefits of consent for approach across all areas of healthcare.</p>			
University of Edinburgh	£98,336	N/A	Scotland
<p>Summary: Developing of a novel triage test to reduce numbers of women with Human Papilloma Virus (HPV) infection referred for unnecessary colposcopy.</p> <p>Persistent infection of the cervix with high risk types of 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. However, as most infections clear naturally there is a large numerical discrepancy between infections detected and women who need follow-up and treatment. Initial evidence suggests that a signature biomarker measurable in HPV-DNA positive cervical screening samples differentiates significant disease. The aim is to develop a diagnostic assay for triage of HR-HPV-positive women that would be practicable to NHS service laboratories.</p>			

Spring 2014 (Child & Maternal Health, Integrated Care, Medicine Adherence, Musculoskeletal, Telehealth/Telecare for people with Learning Disabilities)

26 companies were successfully awarded Phase I contracts and started their projects in December 2014

Child & Maternal Health Companies	Award	AHSN location
Azureindigo Ltd	£99,961	West Midlands
<p>Summary: Developing a non-intrusive device to help children aged 4-16 years old with nocturnal enuresis by studying and gently modifying their sleep habits.</p> <p>The device is of significant benefit to the NHS as it has the potential to eliminate the requirement for the drug therapies currently used, to deliver a large reduction in out-patient contact hours and to substantially improve family and patient wellbeing.</p> <p>The primary benefit for patients using this invention is they will stop bedwetting without experiencing the side effects of drug therapy. They can be treated in their own homes in a non-invasive, discreet manner, leading to increased patient wellbeing and better outcomes.</p>		
BioSensors Ltd	£99,600	North West Coast
<p>Summary: Working with a sensor system developed at Liverpool John Moores University (LJMU), BioSensors is investigating the use of miniature, wireless and disposable transdermal sensors can measure levels of various bio-chemical markers in a patient's blood, without using invasive procedures.</p> <p>The sensors transmit messages to Med eTrax, a mobile patient monitoring and early warning system, that automatically alerts staff to changes in a patient's condition, giving clinical staff a consistent view of a patient's health, progress and trends in real-time.</p> <p>BioSensors is a joint venture between LJMU and Med ePad Ltd.</p>		
Digital Creativity in Disability Ltd	£100,000	North West Coast
<p>Summary: Developing WarnDry to predict enuresis from a number of common and proven indicators. The technology will correlate data from multiple sources to alert on enuresis, not on heavy sweating, and compile a profile of a child so eventually an algorithm can predict a potential episode. Trials will identify the best factors to feed into this algorithm in order to predict enuresis. The product is based on patented technology developed initially by Liverpool John Moores University.</p>		
University of Central Lancashire	£100,000	North West Coast
<p>Summary: The proposed UCLAN enuresis device has the potential to alert children to an impending episode of nocturnal enuresis prior to its occurrence. This approach will enable the child to reach stable dryness whilst learning bladder control.</p> <p>There will be a strong financial incentive for NHS trusts to adopt this technology within their enuresis clinics in addition to a substantial opportunity for direct to consumer sales.</p>		

Competition results

Integrated Care Companies	Award	AHSN location
Bering Ltd	£94,470	Kent, Surrey and Sussex
Summary: Developing and testing a mathematical model able to predict unplanned emergency hospital admissions with 91% accuracy. The model points to key factors that determine individual risk, allowing for initiation of a person-centred intervention.		
Docobo Ltd	£96,860	Kent, Surrey and Sussex
Summary: With partners at Crawley, Horsham and Mid Sussex CCGs, Docobo is developing an integrated care community system which, amongst other things, will provide rich data to identify people with complex needs and with a particular risk of social isolation. The initial test results include interviews with patients which have corroborated the “system produced intelligence” and proved the feasibility. The availability of pooled health and social care data has identified many patients who can be managed by both health and social care professionals in an integrated manner for better patient outcomes and improved efficiency.		
Know Your Own Health Ltd	£95,454	Kent, Surrey and Sussex
Summary: Life for people with health conditions can be very challenging, but now their GP practice can support them to build their confidence to manage and live well with their condition(s). The KYOH Wellbeing Snapshot and Integration Toolkit allow GP surgeries to embed supported self-care into everyday practice with the minimum of time and effort. Early results indicate this will lead to faster and more accessible support for patients, time and cost savings to the GP practice and significant improvements the quality of life for people with health conditions.		
We Predict Ltd	£100,000	Wales
Summary: Using routine anonymised data to predict people at risk of becoming complex patients. If people at risk of becoming complex can be identified and interventions put in place then some illnesses and more general poor health can be prevented.		

Medical Adherence Companies	Award	AHSN location
Advanced Digital Innovation (UK) Ltd	£99,937	Yorkshire and Humber
Summary: Developing a novel service to improve people’s medications adherence. Recognising that routine support is more effective than reminder alarms, ADI has created an app that reminds, motivates and adapts to medications behaviour. In trial participants, mainly with type-2 diabetes, the app has been well received and improved adherence. ADI propose to enhance the app with more extensive routine algorithms and download of prescription data from patient records as well as the reporting of progress to clinicians and pharmacists.		
Biovici Ltd	£98,828	Wales
Summary: Improving medical adherence through Point-of-Care non-invasive diagnostics. In order to realise this, Biovici has created a proof of concept non-invasive sensor to detect lithium in saliva. The aim is to further develop the technology and explore other drug and biomarker developments.		
Blue Maestro Ltd	£92,880	Kent, Surrey and Sussex
Summary: Developing a unique medicine adherence tracking sensor that can be placed on standard over the counter medicine containers. The sensor will determine whether the medicine has been used and if not, will remind the patient through their smartphone and carers and family members through the internet. This will be a cost effective solution and will seamlessly integrate with existing NHS practices.		
Cambridge Respiratory Innovations Ltd	£99,100	Eastern
Summary: Completed a feasibility study for a personal asthma management device for medicines adherence including a detailed stakeholder research covering both patients and medical professionals. The study also received positive reactions and valuable feedback from patients and respiratory nurses to the feasibility demonstrators.		

Folium Optics Ltd	£99,986	West of England
Summary: Taking an ‘internet of things’ approach to developing a technology to help with medicine adherence. Folium Optics has developed a smart electronic tag that can be attached to medicine packaging - the tag has an ‘always-on’ vivid display and shows clearly which medicine should be taken and when. It has a simple user input to log medication, and ultra-low power wireless communication to a cloud data service. A separate ‘reminder’ display, designed to be a desirable household object, provides guidance and continuous ambient feedback to the user.		
Selective Antibodies Ltd	£99,908	North East and North Cumbria
Summary: Developing positive readout technologies to address a key problem in patient care – that of patient adherence. With the new tests, both patient and health care-worker will be able to see at a glance whether the correct level of medication is in the body. The tests are rapid, minimally-invasive, and critically – simple to perform and understand. Lack of adherence to prescribed therapies is a major problem, especially with respect to infectious disease where multidrug resistance can occur, and so the current programme is aiming at a prime example of this in targeting non-compliance of therapy for tuberculosis.		
Therakind Ltd	£98,500	UCL Partners
Summary: Conducting an initial assessment of technical feasibility and market potential of a patented novel, reusable intranasal device for drug delivery. The aim is to provide an alternate drug delivery method for medicines suitable for nasal delivery and for which current delivery methods have problems which affect treatment adherence. Therakind are now concentrating on reformulating one such suitable drug, used for the treatment of endocrinology disorders, so it can be delivered using this device; initial testing with this drug has proved favourable.		

Musculoskeletal Companies	Award	AHSN location
Armourgel Medical Limited	£95,160	Imperial College Health Partners
Summary: 1 in 3 women will suffer a fragility fracture in their lifetime with hip fractures costing the NHS £1.9bn/yr. Prevention of hip fractures is paramount to maintaining quality of life of fallers and an efficient use of NHS resources. The Active Angel hip protector integrates active protection, revolutionary holster design and the latest in wearable electronics in the thinnest protector design on the market, for an integrated preventative and predictive solution.		
Docobo Ltd	£100,000	Kent, Surrey and Sussex
Summary: GaitSmart provides an objective measure of functional rehabilitation following hip (TKA) and knee (THA) surgery that can be used in the home, replacing the need to attend an outpatient’s clinic or GP surgery. A system combining Docobo’s telehealth monitoring of pain, infection and other required physiological and symptomatic measures with secure proven data management and integration with NHS, GP and alarms services. This provides a technology platform to underpin a novel technology-enabled service, rather than a bolt-on technology addition to a fixed service model.		
MIRA Rehab Ltd	£98,000	UCL Partners
Summary: Developing Exergames which can be safely used in the community with older people to improve and maintain independence while preventing falls. A clinical evaluation, conducted by the University of Manchester suggests that older people up to the age of 92 are very interested in using Exergames with users reporting positive physical and some psychological improvements after 6 weeks and finding Exergames easy to use.		
Peacocks Medical Group	£76,940.85	North East and North Cumbria
Summary: Developing new kinds of foot orthoses optimised with finite element analysis and to be made with additive manufacturing to treat overpronation/ supination. The results of the work suggest that the optimised orthotics have a similar mode-of-action in terms of motion control to those without the optimisation, but may differ from standard devices in their plantar pressure redistribution properties. Work will continue to further develop the foot orthoses which will be eventually launched as a commercial product.		
Taragenyx Ltd	£100,000	Scotland
Summary: Developing an antibacterial coating for orthopaedic, trauma and spinal implants, to prevent post-operative infections. Taragenyx has developed a multiple antibiotic-eluting, bioactive, biocompatible and bioresorbable coating, applying it to a variety of clinically relevant materials. The project has allowed Taragenyx to considerably accelerate the development of its technology to the point of optimisation and preclinical trials.		

Competition results

Telehealth/Telecare for people with Learning Disabilities Companies	Award	AHSN location
Cupris Ltd	£99,873	Health Innovation Network (South London)
<p>Summary: Following extensive user-centred design testing with people with learning disabilities, carers, GPs, ENT surgeons and audiologists, Cupris has completed a re-design of their smartphone-connected otoscope and software platform including aesthetics, ergonomics and technical specifications. The testing has validated that clinical quality images of the eardrum can be captured using the device, and the app and software platform can easily and intuitively be used to carry out hearing tests, capturing and sharing patient cases over a secure cloud service. This allows people with learning disabilities to have ear examinations and hearing tests conducted by their carers in more familiar environments without the need to go to the doctor, thus saving resources for the NHS and making the whole process less stressful.</p>		
Disabled Living Foundation Ltd	£82,925.50	Imperial College Health Partners
<p>Summary: A web app developed to guide users to impartial advice and information about assistive technology with the topics chosen by, and developed with, individuals with learning difficulties. Users trialled the app and found it accessible and easy to understand. Particularly popular with users was the text to speech facility and the videos developed on topics such as memory, vision and hearing.</p>		
Maldaba Ltd	£77,778	UCL Partners
<p>Summary: My Health Guide is a ground-breaking app focussed on empowering the lives of learning-disabled adults. Adults with learning difficulties have a tailored solution to their medical and day-to-day life needs, enabling them to capture information and communicate preferences and wishes far more effectively than before.</p>		
Melton Health Care Technologies Ltd	£99,924	North West Coast
<p>Summary: iPersonally Invite is a new generation smart app that provides a personal lifestyle and health dashboard, putting the individual in control of their own health and care information and critically giving absolute control over the sharing of information.</p> <p>It is designed to support the move to personalised health and care services and not just a focus on keeping records, but planning and controlling support and treatment alongside the storing of the data in one single reference point.</p> <p>The platform is accessed via smart phone, tablet or laptop and designed to be subtle and easy to use. Consent to access records is completely under the control of the patient or person designated to ensure best interest decisions are made.</p>		
Red Embedded Systems Limited t/a v-connect	£98,070	Yorkshire and Humber
<p>Summary: The Bold project extends the successful Sandwell Council's 'Greater Independence Project' to include remote healthcare services as part of the project's v-connect secure videoconferencing service. Using two use cases, one will and training programmes, the project specifically focuses on the better use of health facilitation nurse services to promote health and wellbeing.</p>		
Sensixa Ltd	£96,800	Health Innovation Network (South London)
<p>Summary: With the aim of developing technologies to assist people with learning disabilities to live an independent, healthy and active life, the CareforAll project has developed innovative wearable devices and software apps that target the individual needs of people with learning disabilities. Through the partnership with local special needs schools, the project team has found that every child has specific needs and conventional one-size-fits all approach will not work. As such, flexible wearable sensors and an intuitive customisable app is being developed which enables teachers, health works, carers, and parents to design and customise learning and caring solutions.</p>		

Autumn 2014 (Brain Injury, CAMHS, DFU, Medical Imaging, Outpatients)

14 companies were successfully awarded Phase 1 contracts and started their projects in March 2015

Brain Injury Companies	Award	AHSN location
GSPK Design Ltd	£73,740	Yorkshire and Humber
<p>Summary: Patients who have experienced acute brain injury can acquire severe physical disabilities. For some this may result in being 'locked in', having lost all muscle control apart from eyes and some facial muscles, while awareness and cognition remains unimpaired. Others may have less severe disabilities but still struggle to control equipment independently. This loss of control and independence can have an immense impact on an individual's quality of life and on the families and carers who support them.</p> <p>Working closely with the NHS Assistive Technology team at Barnsley Hospital, GSPK Design has developed a novel form of muscle activity sensing that provides a reliable method by which patients can use assistive technology to communicate and operate computers and other equipment making a real difference to their lives.</p>		
Inspiration Healthcare Ltd	£97,200	East Midlands
<p>Summary: Based on the treatment of acute brain injury through inhalation of novel gases, Inspiration Healthcare is developing a breathing system that is suitable for in-hospital (ITU) use. Future plans include a portable device for use by paramedics in the field to deliver this therapy within the critical 'golden hour'.</p>		
Obex Technologies Ltd	£76,662	Eastern
<p>Summary: It is important that brain injury patients are treated holistically and with seamless access to relevant patient information for all stakeholders caring for the patient. This project takes an existing, proven hospital-based and registry platform and extends its applicability into community based healthcare including capturing quality-of-life information directly from the patient. The aim is to show the feasibility and benefits to both patients and the NHS of this approach through a pilot scale roll-out and associated study.</p>		

CAMHS Companies	Award	AHSN location
Advanced Digital Innovation (UK) Ltd	£99,873	Yorkshire and Humber
<p>Summary: CAMHS Open Outreach Platform (CO-OP) uses digital media to provide young people with anxiety, depression and self-harming behaviour, and their parents, with instant access to personalised support resources. As part of an early CAMHS assessment and intervention strategy, CO-OP provides software apps and services built around a Personal Health Record and interfaces with professional systems such as SystemOne, CareNotes, and VLEs in schools.</p>		
uMotif Digital Health	£95,220	UCL Partners
<p>Summary: A mobile software application to deliver structured support for young people and young adults who are self-harming or are at risk of self-harm.</p>		

Competition results

DFU Companies	Award	AHSN location
Blueberry Therapeutic Ltd	£99,244	Greater Manchester
<p>Summary: By exploiting a recently described nanoparticle based drug delivery system Blueberry Therapeutic is developing a new treatment for patients with diabetic foot ulceration. This new concept allows a range of beneficial medicines to be incorporated into a hydrogel wound dressing. The new enhanced hydrogel dressings enable more effective infection control and promote wound healing in patients with diabetic foot ulcers..</p>		
Cadscan Ltd	£99,785	North West Coast
<p>Summary: This project will assess the feasibility of an extremely cost-effective system for making tailored insoles to prevent ulceration without the typical wait.</p>		
Peacocks Medical Group	£75,840.24	North East and North Cumbria
<p>Summary: Foot orthoses (FO) are commonly used to reduce plantar pressure in diabetic feet. This project addresses the design and finite element optimisation of new kinds of FOs directly from 3D scan data and pressure measurements. The FOs would be manufactured directly via additive manufacturing (3D printing) utilising the design freedoms disruptive manufacturing processes provide.</p>		

Medical Imaging Companies	Award	AHSN location
Astrimmune Ltd	£100,000	East Midlands
<p>Summary: Developing high throughput fluid-flow cell imaging for bladder cancer monitoring and diagnosis. Astrimmune has developed the unique capability to biochemically analyse and image individual cells <i>en masse</i> under high-speed flow conditions. The company will develop enabling software tools to allow application of the technique as a cheaper, non-invasive alternative to cystoscopy for the post-surgical monitoring of bladder cancer.</p>		
UCL Business (BrainMiner)	£98,630.40	UCL Partners
<p>Summary: Developing Diagnosis in Dementia (DIADEM), an automated, extensible, and personalised healthcare platform for assisting the clinical diagnosis of dementia using multi-modal imaging and non-imaging data. DIADEM aims to make the best use of currently available imaging data by delivering a software infrastructure that can automatically and intelligently analyse MR imaging data and feed the results to the end-user clinicians in a visually intuitive fashion.</p>		
Gold Standard Phantoms Ltd	£100,000	UCL Partners
<p>Summary: Aiming to develop a perfusion phantom for use with Arterial Spin Labelling (ASL), a non-invasive MRI technique for quantitatively measuring cerebral perfusion. ASL shows great promise for clinical studies and diagnosis, but is currently hindered by the lack of such a gold standard to allow for calibration and quality control of this method.</p>		

Outpatients Companies	Award	AHSN location
Message Dynamics Ltd	£48,117	Kent, Surrey and Sussex
<p>Summary: Outpatient Monitor uses a patient's own phone, either landline or mobile, to remotely monitor recovery and wellbeing. By sending an automatically generated phone call, or messages to a smartphone, clinicians will be able to ask the same questions that they would otherwise ask in a face to face setting without the patient needing to travel.</p>		
SOMA Analytics UK	£99,520.54	UCL Partners
<p>Summary: In conjunction with leading research institutes, SOMA Analytics has developed a digital health product that will screen and monitor outpatients' mental health status on a scientifically-validated basis using non-invasive mobile technology.</p> <p>SOMA Analytics' solution will allow clinicians to appropriately prioritise outpatient resources by need/risk, including follow-up appointments, whilst offering a means to provide remote, tailored interventions that enhance the recovery of patients suffering mild to moderate depression or anxiety disorders.</p>		
Ulsys Ltd	£99,996	Yorkshire and Humber
<p>Summary: Developing a wearable solution to significantly enhance and monitor the treatment of venous leg ulcers, enabling pro-active management, patient participation and more efficient use of outpatient treatment resources.</p>		

FINANCIAL REPORT

Cash budget

The opening credit balance from 2013/14 was £19,876. The cash expenditure at year end was £20,017,252 exclusive of VAT (see below for breakdown of expenditure by competition).

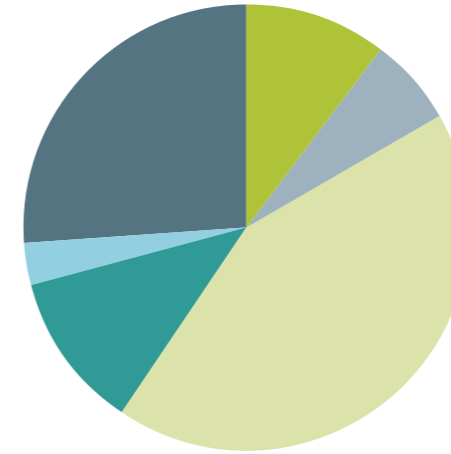
Cash spend for 2014-15 by Competition and Type

Programme	Phase	Stage	Type of Spend	No. of Contracts	Spend
Mental Health & End of Life	Phase 2	Committed	Awards	5	£1,907,801
Better Health Outcomes	Phase 1	Committed	Awards	35	£1,216,026
Better Health Outcomes	Phase 2	Committed	Awards	20	£7,899,601
Spring 2014	Phase 1	Committed	Awards	26	£2,130,282
Autumn 2014	Phase 1	Committed	Awards	14	£578,579
Phase 3 Call	Phase 3	Committed	Awards	8	£4,809,850
PMO Costs (incl. irrecoverable VAT at 5%)			Staffing, Assessors, Marketing etc		£1,494,989
Credit Balance					(£19,876)
Total Spend					£20,017,252

Treasury target

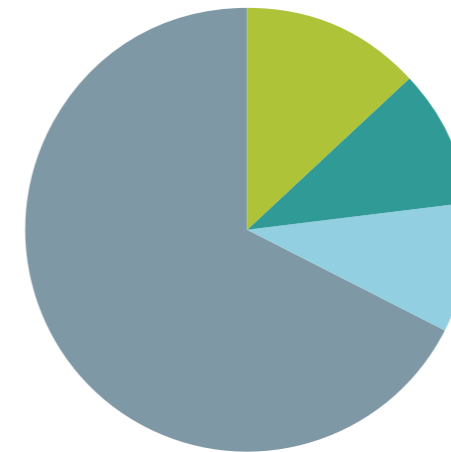
The treasury target is the total value of all new contracts awarded in year (inclusive of VAT). The total achieved for 2014/15 from the NHS England programme was £22.4m broken down as follows:

Better Health Outcomes Phase 2 awards:	£15,214,535
Spring 2014 Phase 1 awards:	£2,095,501
Autumn 2014 Phase 1 awards:	£1,337,979
Total:	£22,288,601 (£18,648,015 + VAT)



AWARDS COST CATEGORY

Mental Health & End of Life Phase 2	£1,907,801
Better Health Outcomes Phase 1	£1,216,026
Better Health Outcomes Phase 2	£7,899,601
Spring 2014 Phase 1	£2,130,282
Autumn 2014 Phase 1	£578,579
Phase 3 Call	£4,809,850
Total	£18,542,139



ADMIN COST CATEGORY

Marketing & events	£198,025
Health economics	£151,637
Technical Assessors, legal	£138,095
Competition running costs	£1,007,232
Total	£1,494,989

PLANS FOR 2015/16

Recognising the achievements of the SBRI Healthcare programme to date, our focus this year is to work with the AHSN leaders to deliver four main objectives.

- OBJECTIVE ONE:** build a **strong financial footing** for the programme beyond the annual budgeting cycle ;
- continue to deliver good results for our main funders, NHS England
 - build relationships with regional commissioning structures as they evolve
 - discuss with devolved administrations and Scottish Government opportunities for match funded programmes
 - investigate opportunities for charity and philanthropic funding
 - investigate opportunities for commercial funding.
- OBJECTIVE TWO:** improve the **identification of the problems** that will respond to technology intervention;
- recognise the importance of accurate identification of needs, and adjust and refine processes accordingly
 - work with Healthcare Knowledge Transfer Networks (KTN) – part of Innovate UK – to improve our understanding of needs and problems in a given care pathway
 - continue to build our work with our delivery partners, AHSNs, on identifying and articulating needs
- OBJECTIVE THREE:** deliver an **efficient competition process** that engages and supports the widest participation of companies;
- refine and build on the centralised process
 - strengthen work with AHSN commercial directors and communications leads to ensure all AHSNs are supported to promote their participation
 - grow awareness of the SBRI Healthcare opportunity with a wider network of companies
 - run Spring and Autumn competition rounds and assessments of theme areas AHSNs have agreed with NHS England and Department of Health.
- OBJECTIVE FOUR:** support the **adoption and spread** of the developed solutions in the NHS and wider international markets;
- agree adoption strategies and activities with AHSNs
 - work with test-beds and vanguard sites to ensure that SBRI Healthcare companies are integrated where appropriate
 - continue and strengthen dialogue with NHS procurement leads
 - publicise and build understanding of SBRI Healthcare solutions in the pipeline
 - supply events and briefings for AHSNs and NHS on the learning gained so far on accelerating innovation.

DELIVERING FIVE YEAR FORWARD VIEW

Five Year Forward View (FYFV), NHS England's strategy, holds much opportunity for the SBRI Healthcare programme to bring new innovations to the NHS landscape. In our plans for the coming year we are committed to seizing this opportunity.

FYFV makes it clear that innovation is critical for success and makes a commitment that NHS England will 'improve the NHS' ability to undertake research and apply innovation – including by developing new 'test bed' sites for worldwide innovators and new 'green field' sites where completely new NHS services will be designed from scratch."

It also set out new opportunities for the SBRI Healthcare programme with its focus on public health and its 'radical upgrade in prevention and public health' - a commitment that 'patients will gain far greater control of their own care' as well as the commitment to redesign urgent and emergency care services where digital and medical technologies can bring a significant contribution to changing the way care is provided.

We will be especially involved with the NHS Innovation Accelerator and the test-bed programme.

NHS Innovation Accelerator The NIA programme aims to give patients a more equitable access to high impact innovations by developing the conditions and cultural change that will enable the NHS to adopt new approaches and technologies at scale and pace. The programme has appointed 20 fellows - one of which is an SBRI Healthcare company - with a portfolio of high impact innovations. The SBRI Healthcare programme is working with the NIA to ensure that the opportunity for SBRI Healthcare products and innovators is secured for the future.

Test Beds NHS England is backing a series of locality-based test beds where the adoption of combinatorial innovations will be accelerated. This is an opportunity for SBRI Healthcare companies that are close to market to join an AHSN planned test bed. The SBRI Healthcare plan for 2015/16 will capitalise on this opportunity.



SBRI Healthcare is run by England's
15 Academic Health Science Networks.

For more about AHSNs visit
www.ahsnnetwork.com

SBRI Healthcare



sbrihealthcare.co.uk



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