







Small Business
Research Initiative (SBRI)
Healthcare Programme
Competition 24 Briefing Event







Agenda

Time	Topic	Presenters
14:00 - 14:05	Welcome and introductions	
14:05 - 14:20	SBRI Healthcare Programme and Competition 24	Antonio Ruiz, SBRI Healthcare PMO
14:20 - 14:35	Delivering a Net Zero NHS for a Healthier Future – overview of the competition brief	Natalia Kurek, Greener NHS Team Fanny Burrows, Greener NHS Team
14:35 - 15:00	Q&A session	
15:00- 15:10	The AHSN Network	Pete Waddingham, AHSN Network
15:-10 - 15:20	Insights and tips from successful SBRI award holders	Nathan Moore, Primum Digital Cath Richards, The Centre for Sustainable Healthcare
15:20 - 15:30	The application and assessment process	Luis Tojo, SBRI Healthcare PMO
15:30 - 15:55	Q&A session	
15:55 - 16:00	Closing remarks	













Small Business Research Initiative (SBRI) Healthcare Programme

Antonio Ruiz

Programme Manager, SBRI PMO





Housekeeping

- Thank you all for taking the time to join
- Feel free to ask questions in the Q&A box as we go along, and we will answer them in the Q&A sessions
- Please flag any technical issues in the chat
- The slides and the recording will be uploaded on SBRI Healthcare website
- For further enquiries: sbri@lgcgroup.com







About SBRI Healthcare

- Pan-government, structured process enabling the public sector to engage with innovative suppliers
- AAC programme managed by LGC Group & supported by the Academic Health Science Network (AHSNs)



Improve patient care



Increase efficiency in the NHS



Enable the NHS to access new innovations through R&D that solve identified healthcare challenges and unmet need



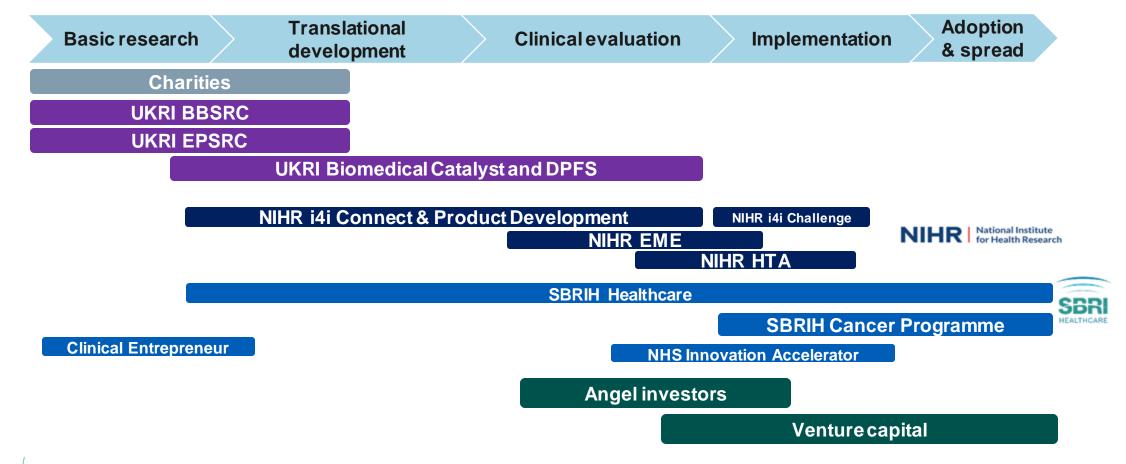
Bring economic value and wealth creation opportunity to the UK economy







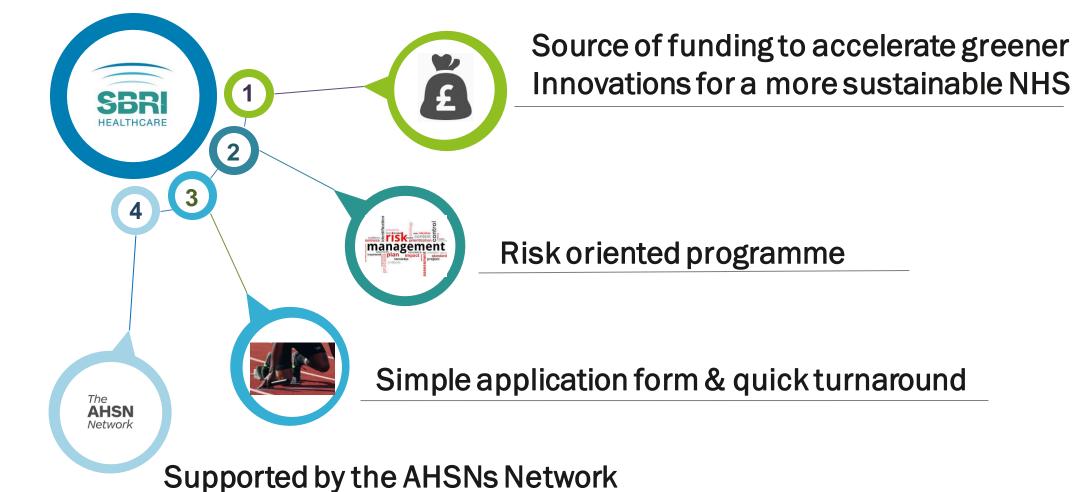
Funding landscape









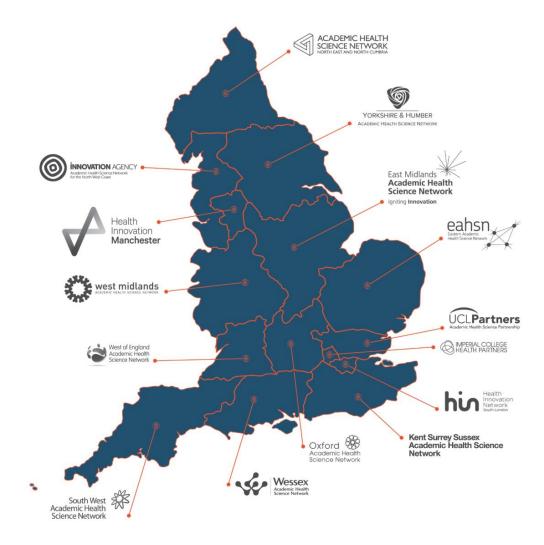








A connected 'Network of Networks'











Themed competitions to address identified unmet NHS challenges



- Organisations from public and third sectors (including NHS, universities and charities), SMEs
 and corporate ventures are eligible, as long as they can demonstrate a significant contribution
 to NHS carbon emission reduction
- Based anywhere in Europe



6-12 months project duration, between £50 and £100K (NET)







Expected exit points



Demonstrated environmental impact that the proposed solution or project would have on the care pathway, and delivery of care it is intending to operate in.



Quantified projected carbon savings the proposed innovation can have in intended use and methodology used to estimate carbon impact



A set timeline and strategy to comply with the requirements set in the NHS Supplier Roadmap, including the development of a Carbon Reduction Plan



Implementation plans and model for potential NHS regional and national scale up



Clear identification of barriers and enablers to implementation and scaling up



A market validation on proposed users and a strategy covering plans for commercial viability and scalability'



Engagement with relevant partners and key stakeholders (including PPIE) to achieve a sustainable spread of the innovation



Health inequalities impact assessment







Portfolio snapshot



306 supported









Portfolio snapshot



92 Companies with commercial

revenues







£73m+

revenue generated



£684m+

Private investment leveraged





1,762

New collaborations established

>7.7m
patients involved through sales and trials



19,957

Sites accessed through trials or sales







Portfolio snapshot





LabCycle is a world-first circular plastic consumables supply chain for healthcare systems.

- Pilot with the University of Bath
- SBRI Healthcare Phase 1 pilot with NHS Blood and Transplant
- Innovate UK Fast Start Grant
- Pre-seed investment round raised at the end of 2022
- Dosage cups from 100% recycled polystyrene
- SME Innovation Voucher for Life-Cycle Analysis
- 40+ interests from private and public organisations



Revolution-ZERO is on a mission to displace single-use medical textiles with highly efficient reusable alternatives and the systems to support them.



- 12 UK CA products registered
- Four projects commissioned by NHS Wales Shared Services Partnership
- Integrated product and service offerings commissioned by UCL Hospital and Hull Clinical Commissioning Group
- Working with world leading sustainability and circular economy academics including the University of Exeter and University College London







The SME voice



Working with SBRI has been great, I have recommended many other to apply to future programmes due to the support and connections created through the programme. Funding is great, connections are priceless.

Ben Wilkins, CEO GoodBoost







SBRI Healthcare allowed us, as an SME, to build a product harnessing the latest technology, and to work with leading academics and clinicians in three NHS trusts."

Rebecca Bright, Co-founder and Director Therapy Box







Support

Support

PRE-COMPETITION

IN-COMPETITION

IN-PORTFOLIO

IMPACT

Launch webinars, drop-in sessions and clinics

Webinar support on: data & analytics, carbon quantification, supply chain and procurement, IP, PPIE, value proposition

Investment readiness programme, showcase events, webinar series on regulatory landscape, roadmap to the NHS, health economics, DTAC, peer to peer support, women in Healthtech Leadership programme



Innovate < UK













Innovate UK





























Competition 24 - Delivering a Net Zero NHS for a Healthier Future



Categories

- Clinical community engagement
- Novel business models to enable circularity in perioperative care and critical care settings
- Net zero clinical transformation



<u>Competition 24 – Net-zero link to SBRI webpage</u>













Delivering a Net Zero NHS for a Healthier Future

Fanny Burrow Natalia Kurek





SBRI Competition 24 Launch Webinar

Friday 22nd September 2023

We will cover:

- Background to Greener NHS
- SBRI Competition Challenge Categories
- What we are looking for in applications

Greener NHS programme, NHS England

Dr Natalia Kurek, Deputy Director Dr Fanny Burrows, Senior Lead, net zero research & innovation

Background



NHS has committed to delivering the world's first net zero health service, in its landmark report: Delivering a Net Zero NHS

NHS net zero targets:

- Net zero for emission we control directly (NHS Carbon Footprint*) by 2040, ambition to reach an 80% reduction by 2028 to 2032
- Net zero for emissions we can influence (NHS Carbon Footprint Plus**)
 by 2045, ambition to reach an 80% reduction by 2036 to 2039

*The NHS Carbon Footprint: emissions in the NHS' direct control

**The NHS Carbon Footprint Plus: wider NHS influence – including supply chain and travel

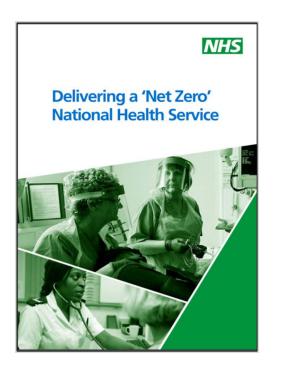
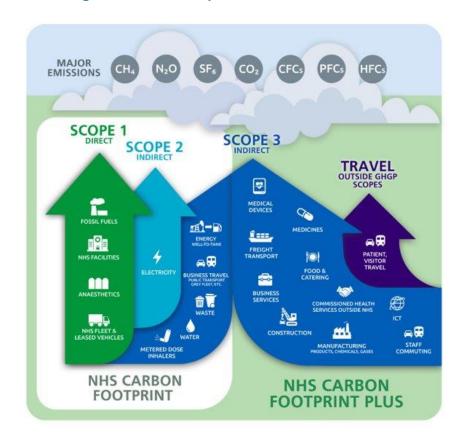


Figure 1: GHGP scopes in the context of the NHS



Background

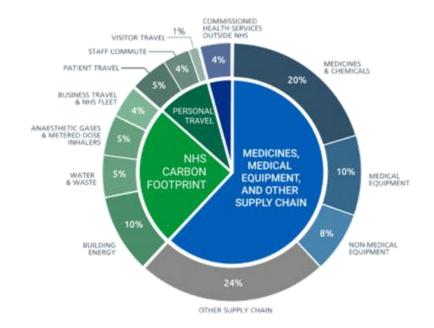


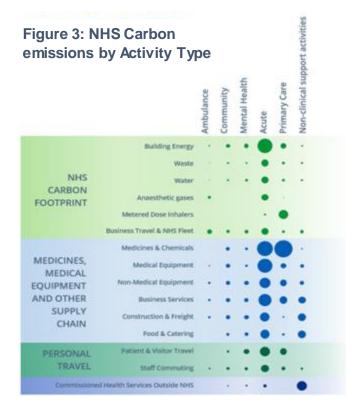
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Figure 2: NHS Carbon emissions by Area





The SBRI Challenge Categories



1

Challenge Category #1: Clinical community engagement

The aim of the challenge is to seek solutions and approaches that promote clinical professionals' engagement to explore net zero and drive lower carbon models of care within their specialty and area of expertise.



Particular emphasis on high volume, high resource, carbon intensive practises, processes and products.

2

Challenge Category #2: Novel business models to enable circularity in perioperative care and critical care settings

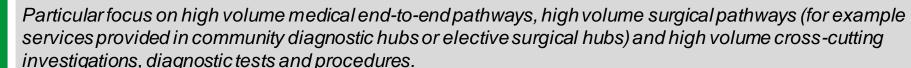
This aim of the challenge is to explore how value, or outcome-based business models for medical devices and equipment used widely in critical care and/or perioperative care can be utilised to deliver long-term patient, cost and environmental benefits for the NHS.



?

Challenge Category #3: Net zero transformation across clinical pathways

The aim of this challenge to tackle known carbon intensive areas of care to identify solutions that have the potential to make significant carbon reductions on the end-to-end care delivery.





What are we looking for in applications





Focus on high quality patient outcomes and clinical effectiveness



Sustainability & net zero NHS at the heart of the initiative



Solutions that can be implemented and are scalable

Greener NHS - what good looks like



Innovation is designed with net zero at the core		
Specific work package surrounding net zero NHS, to demonstrate the real potential of the innovation to significantly reduce emissions in healthcare / healthcare pathways		
Demonstrate progress towards net carbon impact and alignment towards net zero NHS	✓	
Plan to estimate reduction in carbon emissions and to gather carbon evidence to support the case. Ideas of methodology that can be used will be beneficial (with an understanding of the limitations, and assumptions associated with the methodology)		
Appropriate expertise to support net zero healthcare specific work	✓	
Demonstrate strong understanding and adherence to the suppliers' requirements: NHS Suppliers Roadmap requirements Carbon reduction plans	✓	



Thank you

Greener NHS programme, NHS England **Website** www.england.nhs.uk/GreenerNHS











Q&A sessionplease do fire up any question you might have in the Q&A box



Supporting a #NetZeroNHS

SBRI Healthcare Competition 24Delivering a Net Zero NHS for a Healthier Future

Pete Waddingham
Net Zero Lead

Plan of Action

- 1. Briefly explain the role of the AHSN Network and local AHSNs
- 2. Highlight some examples of support (relevant to this competition)
- 3. Provide thoughts on SBRI competition / NHS needs
- 4. Quick example of some recent AHSN Net Zero work
- 5. Ensure people know how to contact me / key colleagues leading on sustainability



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About us



Together, we are the voice of health innovation

Academic Health Science Networks (AHSNs) bring together the NHS, industry, academic, third sector and local organisations. Our collaboration ensures innovations, improvements and best practice benefit more patients faster.

Our national innovation pipeline features more than 1,200 proven technologies ready to be matched to local health and care challenges.

A connected 'Network of Networks' – spreading healthcare innovation at pace and scale



Support for innovators



Realise the potential of your ideas

Whether you're a healthtech company practised at developing health innovation, or a clinician in the NHS who has discovered newfound best practice, we can champion you to:



Get funding, introductions and advice



Navigate the nuances of the health and care system



Take your idea through a proven innovation pipeline



Build a base of evidence that can win over stakeholders

Home » How we can help you » Support for health and care providers

Support for health and care providers



Carefully matching your challenges to tested and adoption-ready

Tackling key clinical areas of need

We're constantly working with clinicians and health and care organisations to identify challenges that could be addressed through innovation. This can lead to breakthroughs enabling earlier diagnosis, more effective treatments, better outcomes and faster recovery times.

We deliver national programmes in these key areas of clinical need, in partnership with NHS England and the Accelerated Access Collaborative. They include:

- · Ageing and care homes
- Cardiovascular disease
- Maternity and neonatal
- Mental health
- Medicines
- Respiratory
- Wound care

Tackling cross-priority areas in the system

We're also committed to accelerating innovation on a number of system-level priority areas that can benefit health and care providers:

- Digital transformation
- · Diversity, inclusion and equality
- · Environmental sustainability
- Health inequalities
- · Patient and public involvement and co-production
- Patient safety
- Workforce



The competition seeks applications that focus on *clinical* community engagement and transformation, and business models for circularity.

Thoughts

- 1. Broker relationships (strength in *collaboration*)
- 2. Help ensure you articulate the **need** / challenge (quantification)
- 3.Critical friend on idea (is it innovative / new / risks)
- 4. Look at wider **funding** landscape (mitigation / grow)
- 5. Options for **evaluation** / spread and adoption
- 6. Innovation takes time (manage expectations / support journey)

Net Zero Green Hospitals sharing and learning webinar

Thursday 14 September 9:30am-3:30pm



The AHSN Network

#NetZeroNHS

Theme 1 – Models of Care

- Digital Platforms
- Patient Consent
- Cancer Detection

Theme 2 - Travel and transport

- Shared Transport / Staff Transport / Grey Fleet
- Alternative Travel
- Air Quality
- Data

Theme 3 - Estates and facilities

- Waste
- Energy (including HVAC)
- Water
- Ventilation

Theme 4 - Consumables

- PPE
- Medical Equipment / Gases
- Food
- IT
- Signage

Discussing options to explore some of these topics in more detail e.g. IT / Digital

Thank you

Pete.Waddingham@yhahsn.com

https://calendly.com/pete-waddingham/30min

https://www.linkedin.com/in/pete-waddingham-b4ab8861/

(or I can help you connect with your local AHSN)











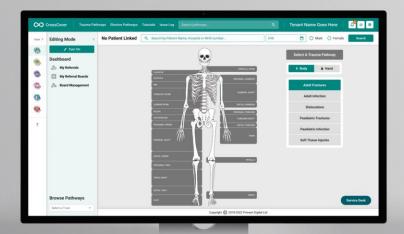
Mr Nathan Moore

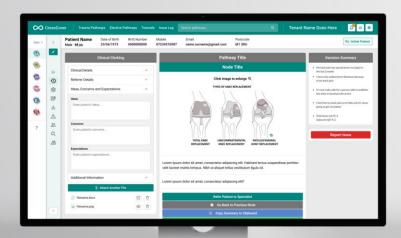
T+O StR ST6
Director of Primum Digital Ltd
Clinical Safety Officer
NHS Clinical Entrepreneur

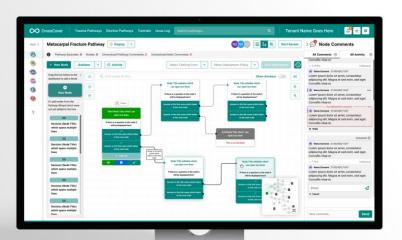
SBRI Healthcare Competition 24 Launch event



















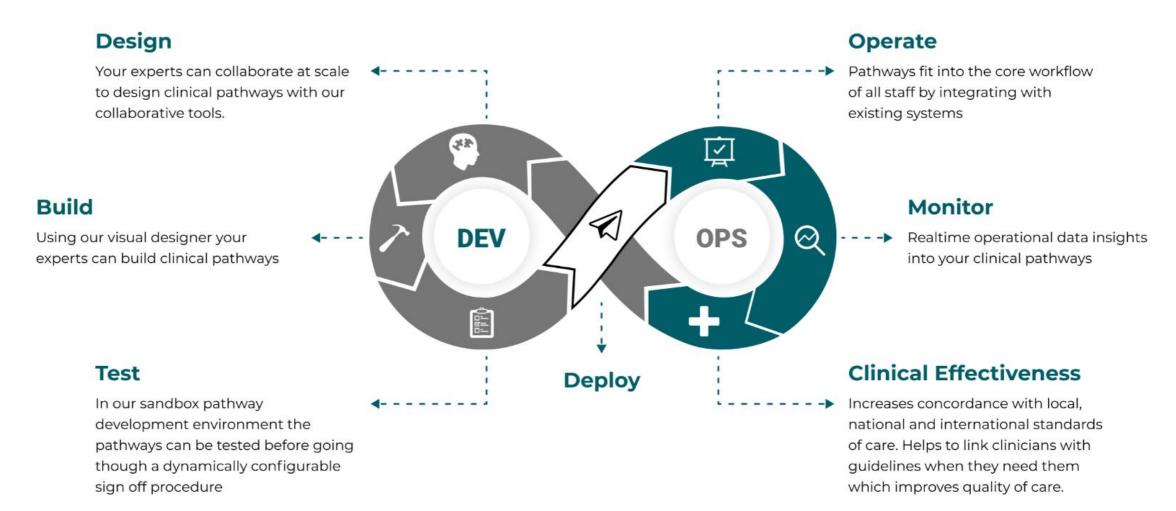






DevOps for Clinical Pathways







Award Benefits





Independent Validation



Indicator of Potential



Supports Business Case



Opportunities

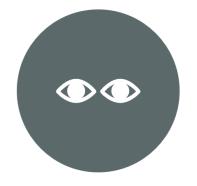


Completing the form is useful



Tips









Reviews from many sources



Compelling story



Address Clinical & MVP & Real-world **Cost effectiveness**



testing



Lessons Learned





Win Hearts and Minds



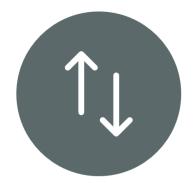
Support Your NHS Champions



Be Agile



Have a plan B



Top-down & Bottom-up support needed





NHS England & SBRI Healthcare Support



Workshops are great



Direct Access to the NHS Greener team



SBRI PMO support value proposition generation



NHS customers are an amazing partner









THANK YOU



Mr Nathan Moore

nathan.moore@primumdigital.com www.crosscover.co.uk

Sustainability in Quality Improvement Commercialisation Project: Net Zero Is In Your Hands





Cath Richards, SusQI Lead/SBRI Project Manager SBRI Net Zero launch event, 22nd September 2023

Our Sustainability in Quality Improvement (SusQI) services



CENTRE FOR SUSTAINABLE HEALTHCARE







CENTRE for SUSTAINABLE HEALTHCARE

NHS Implementation

integrate

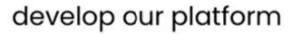
patient/public voice

in our processes

Commercialise our offer

product validation

build our team



CENTRE for SUSTAINABLE HEALTHCARE

A strong delivery team

Commercialisation

- market and product validation completed
- business planning completed

Kent Surrey Sussex Academic Health Science Network



Platform development

- IT Systems/platform fully functional
- CRM sales system researched



Capacity building

 CSH required capacity reached



Strategic patient and public involvement

 SusQI governance and PPIE strategy updated





Our tips for your SBRI journey

- Make Net Zero the core of your proposal
- Find partners to build your expertise
- Make it clear what problem your project brings a solution to
- Be clear about what success would look like
 - the impact of your offer
- If you're successful attend all the SBRI workshops
 - they are super helpful











Assessment process and how to apply

Luis Tojo

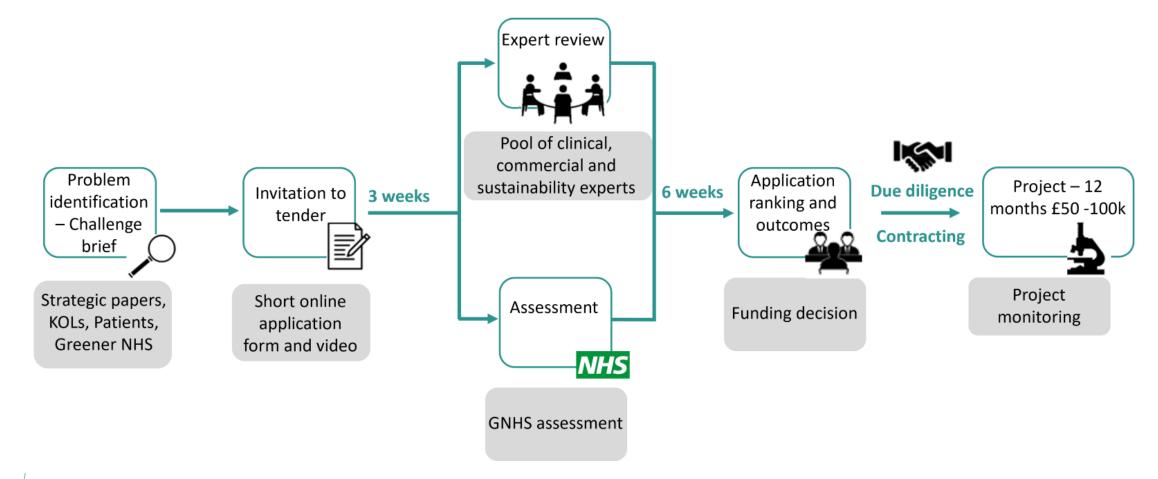
Senior Programme Manager, SBRI PMO

TheAHSNNetwork





Assessment process





The AHSN Network





The assessment criteria

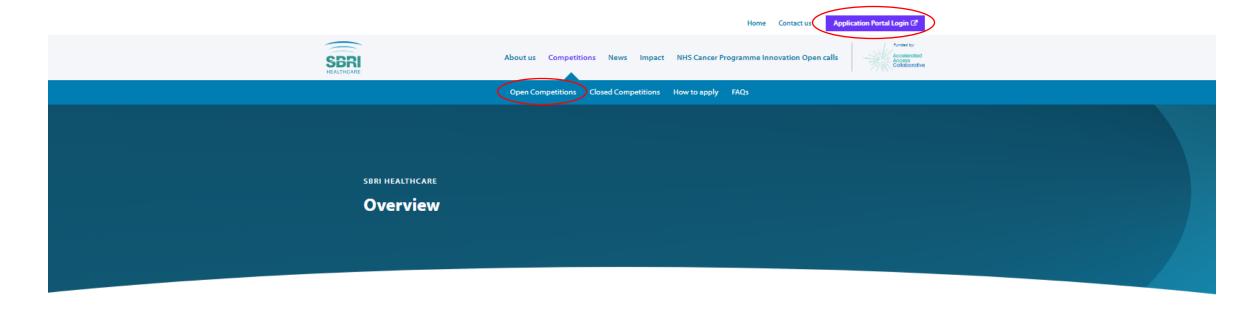
- 1. How well does the application address the challenge brief ad does the proposed solution benefit patients, the NHS and/or Social Care Sector, and support the NHS to reach its net zero ambition by contributing to a significant reduction of carbon emissions? 30%
- 2. Are the project plan, deliverables and risk mitigation strategy appropriate? 15%
- 3. Is the product innovative, will it have a competitive advantage over existing and alternative solutions and are the arrangements surrounding the use and development of Intellectual Property appropriate? 10%
- 4. Does the proposed project have appropriate implementation plans and a credible model for potential regional and national scale up? 15%
- 5. Does the proposed innovation have potential to enhance equity of access and does the project include consideration towards patient and public involvement? 10%
- 6. Do the host organisation and project team appear to have the right skills and experience to deliver the project? 15%
- 7. Are the costs justified and appropriate? 5%



NHS



Application process - www.sbrihealthcare.co.uk



31 OCTOBER, 2023

Competition 24 - Delivering a Net Zero NHS for a Healthier

Future

Read more >



NHS



Key dates and Competition documents

Briefing Webinar
22 September 2023

2 Competition launch 31 October 2023

Competition close
22th November 2023



Application Portal Login





Contributing around 4% of England's emissions, the NHS can make a real difference on a national scale and must tackle climate change at source if it is to deliver on its core purpose: to improve health and care, now and for future generations.

The NHS became the world's first health service to set net zero targets with the delivering a net zero NHS' report published in 2020, and the first to embed net zero into legislation, through the Health and Care Act 2022. Since June 2022, every trust in England has put in place a Green Plan, setting out their aims, objectives and delivery plans for carbon reduction.



Invitation to Tender (ITT)
Challenge Brief
Template Application Form
Finance Form
Development Agreement
Applicant and Portal Guidance



*The***AHSN***Network*





Video pitch

- 3 minutes video pitch in MP4 format to support your application
- Maximum file size of 40MB
- Upload the video to a file sharing platform that does not have link expiration
- Please do not upload your video to a streaming service or to your Institutional SharePoint







The Research Management System (RMS) Portal

Programme Management Office
Research Management System

Existing Users		New users				
Please log in to access your account.		Please register with us to create your account using your institutional email address.				
Email		Please note that all new users require validation by the Programme Management prior to receiving access to the system. We will endeavour to complete this validation process as soon as possible (within standard working hours) following completion of your initial registration				
Password		Register System Help 🔼				
	Lagin					



Forgot Password?

NHS





Research Management System



Dr Aayesha Hassan

Welcome to Programme Management Office Research Management System, Dr Aayesha Hassan.

Home

My Applications

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System Help 📆

Please update your CV.

Your CV was last updated on 30 April 2020.

Please check that your CV details are up-to-date as it assists us when assessing grant applications and assigning external reviewers. To update your CV, go to Manage My Details.

New Grant Application

To apply for funding from one of our grant streams click here.











Programme Management Office

Research Management System



Mr Ken Middleton

Home

New Application

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My Tasks

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Contact Us

Logout

System Help 🥦

Logged in as Console account - Mr Ken Middleton - ken.middleton@nihr.ac.uk do not use for testing as an applicant or reviewer

Open funding rounds

The table below shows all the funding rounds currently accepting applications.

Click More info to view additional information about each funding round.

Click Apply to access the online application form for the type of grant you wish to apply for.

Grant Type	Funding Round	Submissions Window	Closing Date	wore info Apply
SBRI Phase 1 SBRI Healthcare, an NHS England & NHS Improvement initiative that aims to promote UK economic growth whilst addressing unmet health needs and enhancing the take up of known best practice. SBRI supports a programme of competitions inviting companies to come forward with their ideas on novel MedTech and digital innovations that can address specific NHS challenges.	SBRI 17 Phase 1 - Urgent and		27 August 2020 BST	More info Opening 15/07/2020



NHS



Programme Management Office

Research Management System



Urgent and Emergency Care 26817

Details...

Introduction

- Section 1: ApplicationSummary
- Section 2: Company
 Details
- Section 3: Plain English Summary
- Section 4: Project Plan
- Section 5: Team
- Section 6: Budget
- Section 7: Supporting information
- Section 8:
- Administrative contact details
- Section 9: ValidationSummary

Introduction

Previous Next Save Save And Close

There are a number of **online guidance prompts** (marked as a ?) available to you throughout the online form to help you when completing an application. It is **strongly advised** that you also read the relevant <u>Guidance for Applicants</u> before completing your application.

Please keep the use of acronyms to a minimum. Only use acronyms where a term is used frequently throughout the application. If you do choose to use an acronym, do not assume that the reader knows what it means, and be sure to define it when first used.

You are strongly advised to structure the longer sections of the application form (particularly the Project Description and Breakdown) in such a way that they can be read easily by reviewers. The use of long passages of dense, unstructured text should be avoided.

Schematics, tables, illustrations, graphs, and other types of graphics can be embedded to clarify the project plan but they should not clutter the central narrative. Images do not count towards the overall word count but inclusion of them to overcome word limits is not permitted. Images may only be included within the Project description and breakdown. Images included in other sections will be removed from the application and not seen by reviewers.

Members of the project team will need to invited through the RMS via email to participate as team members, after which they must both confirm and approve their participation. Please ensure that all team members invited to collaborate on this application have confirmed their involvement and approval of the application form content before submission.

Although confirming and approving an application can be done at any time during the submission of an application, you are strongly advised to do this well in advance of the deadline.

If you have any queries with your application, you can contact the SBRI Healthcare Programme Management Office on 020 8843 8125 or SBRI@LGCGroup.com.



The AHSN Network





Programme Management Office

Research Management System

Dr Aayesha Hassan aayesha.hassan@ccf-prp.org.uk

Dr Aayesha Hassan

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You have 1 co-application awaiting submission.

To view more details please select an application from the grid below.

Reference	Title	Main Applicant	Role	Confirmed	Last Updated	Application Status
26808		Dr Ade Adenle	Co Applicant	N	14/07/2020 14:19:28	Pre-Submission







Dr Aayesha Hassan

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My Co-applications

SBRI Phase 1 Ref: 26808

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As a co-applicant you must first 'Confirm' your participation before the application can be submitted by the Lead Applicant. Please ensure your CV is up to date (this can be updated in the manage my details section).

Lead Applicant Dr Ade Adenle

Title

Reference 26808

Status Pre-Submission

Total Requested £0.00

Organisation

Grant Type SBRI Phase 1

Funding Round Urgent and Emergency Care

Closing Date

Participants Co Applicant

Ade Adenle Confirmed participation Submission approval

status

Ms Aayesha Hassan Confirmed

participation

Submission approval

status

Dr Aayesha Hassan Confirmed

participation Submission approval

status

Role: Co Applicant

Actions shown below are for your involvement as a Co Applicant

Confirm your participation

I have read the terms and conditions under which grants are awarded, and, if this application is successful, I agree to abide by them. I shall be actively engaged in the day-to-day management and control of the project and this proposal.

Confirm

Reject your participation

If you do not wish to participate in this application or think that this approach was in error please click the reject button below. This will send an email to the lead applicant and remove you from the application.

Reject



The AHSN Network













Q&A sessionplease do fire up any question you might have in the Q&A box

The AHSN Network





SBRI Healthcare Q&A drop-in session for any additional question applicants might have during their application process will be held on

24th October 2023, 13:00-15:00 - link

7th November 2023, 13:00-15:00 - <u>link</u>

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https://sbrihealthcare.co.uk/about-us#subform_section













SBRI Healthcare

LGC Ltd
Grant Management Group
15 Church Street
Twickenham TW13NL

Contact us for advice and specific guidance:

T 020 8843 8125

E sbri@lgcgroup.com

W https://www.sbrihealthcare.co.uk

LinkedIn /sbri-healthcare

Twitter <u>@SBRIHealthcare</u>

*The***AHSN***Network*

