

Meet the NHS Innovation Accelerator (NIA)



Welcome and introductions

Rebekah Tailor

Communications and Engagement Manager

NHS Innovation Accelerator



Agenda

- Overview of the NHS Innovation Accelerator (NIA)
- Support available: the role of the AHSNs
- An innovator's journey: ORCHA
- Lessons and insights from the NIA
- 4th Call: guidance for applicants











Overview of the NIA

Laura Boyd
Programme Manager
NHS Innovation Accelerator (NIA)



The NIA aims to:

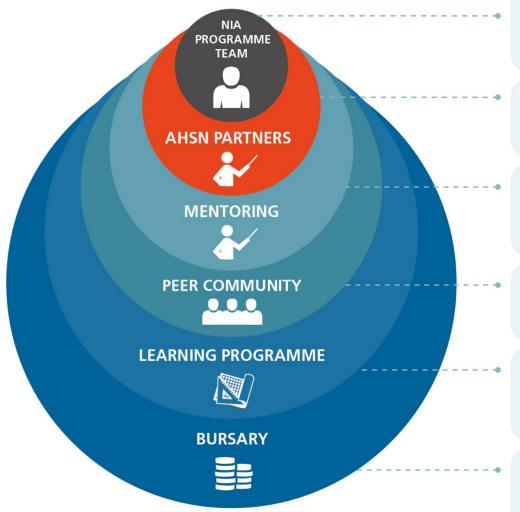
- Help create the conditions and cultural change necessary for proven innovations to be adopted faster and more systematically in the NHS
- Deliver innovation into practice for demonstrable patient and population benefit
- Learn from Fellows' experiences so that others benefit from knowledge generated



Who is the NIA?

- The NHS Innovation Accelerator (NIA) is an NHS England Initiative delivered in partnership with the Country's 15 <u>Academic Health Science Networks (AHSNs)</u>
- The NIA is hosted by <u>UCLPartners</u>
- All 15 AHSNs contribute financially to the NIA. This provides bursaries to Fellows and supports programme delivery.

What can Fellows expect to receive?



NIA PROGRAMME TEAM

providing day-to-day support, network and introductions, critical challenge on Fellows' strategy for scaling

AHSN PARTNERS

providing signposting, local networking and support on scaling strategies

MENTORING

from a pool of experts with a wide breadth of skills and experience

PEER COMMUNITY

peer to peer support from the NIA Fellows enabled through quarterly events and an online forum

LEARNING PROGRAMME

including quarterly review and learning events, additional information sessions tailored to Fellows' needs

BURSARY

available to help Fellows scale their innovation across the NHS

What support is available to Fellows?

Whilst on the programme you can expect to benefit from a range of support including:

- Insight into the changing policy context of the NHS
- Introductions and showcasing opportunities
- Navigation of the innovation and research infrastructure
- Critical challenge and support to refine plans through access to expert advice
- Reputation building: association with the brand of the NIA and its partners
- Influencing national policy: including via the NIA Programme Board, chaired by Professor Stephen Powis, National Medical Director, NHS England



Success to date

- √ 36 Fellows supported to scale 37 innovations
- √ 1423 additional NHS providers and commissioners using NIA innovations
- √ £45.2M external funding raised
- √ 226 new jobs created
- ✓ 52 awards won
- √ 21 NIA innovations selling internationally







- This year the NIA is <u>only</u> open to innovations that address one or more of the following challenges:
 - ➤ Mental Health
 - Early intervention and prevention (cancer and cardiovascular disease)
 - ➤ Primary Care
- The details for these themes can be viewed on the website
- Please read them before applying



Criteria: what are we looking for?

NHS Innovation Accelerator

Applicant

- Set of strong values & a passion for learning & sharing insights for the benefits of entrepreneurs and the wider care system
- Can commit two days per week

Innovation

- Addresses at least one of the NIA themes
- evidence-base showing delivery of better patient outcomes & reduced cost
- Sufficiently mature (including satisfying all necessary regulatory, intellectual property and ethical frameworks)

Scaling Plan

 Convincing, ambitious plan for how you will scale your innovation for patient benefit





Fellows can be from any background:

- ✓ Public sector including NHS staff
- ✓ Academics
- ✓ Charity/not for profit
- **✓** SMEs
- ✓ Large corporate

Your employing or host organisation needs to be established and beyond start up, but also requiring support through the NIA to expand within the NHS.

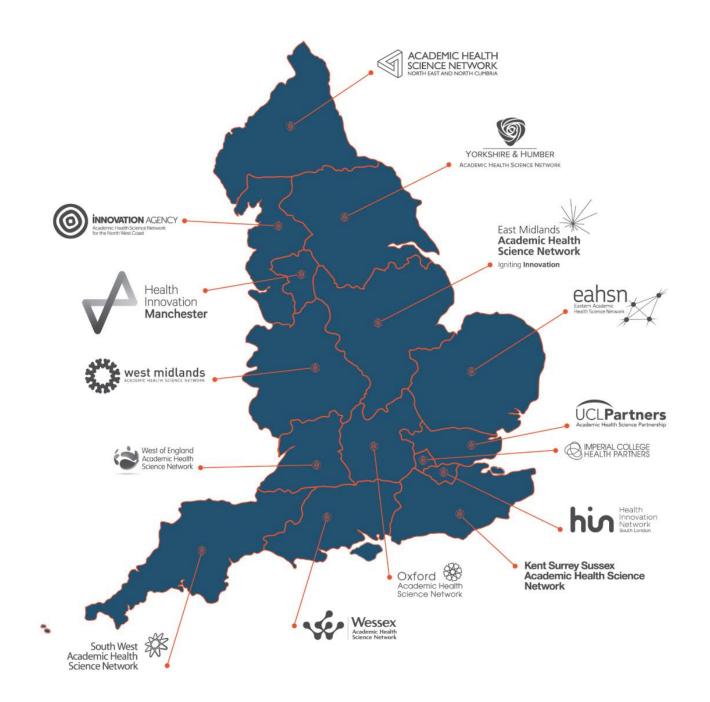


Support available: the role of the AHSNs

Carol Nicholson
Deputy Director of Innovation
North East and North
Cumbria AHSN

#AHSNs @AHSNNetwork

A national 'Network of Networks'



We are catalysts for innovation

We connect partners across sectors

We create the right conditions for change



AHSNs work locally

- Identifying priorities within and across
 STPs, ICSs, etc.
- Fostering collaboration between organisations involved in health and care: NHS, academia, social care, third sector and industry
- Sharing expertise and insights across a range of areas: patient safety, PPI, informatics and evaluation
- Building capability and capacity
- Supporting diffusion of innovations



Improving lives



Improving efficiency



Supporting economic growth



... and nationally

As a 'Network of Networks':-

- Acting as one licence development, reporting and engagement with national stakeholders (Innovation National Networks)
- Sharing learning and expertise
- Collective diffusion of 'priorities'
- 'Importing' and 'exporting' validated innovations between AHSNs
- Signposting to each other and other agencies and their programmes

Spread and adoption of innovation: national programmes

These seven programmes, developed regionally, have been selected for national adoption and spread across the AHSN Network during 2018-2020.

PReCePT

Working with maternity units to use magnesium sulphate to prevent cerebral palsy in preterm labour.

Emergency Laparotomy Collaborative

A collaborative approach to improving standards of care for patients undergoing emergency laparotomy surgery.

Transfers of Care Around Medicine (TCAM)

Help for patients who need extra support taking prescribed medicines when they leave hospital.

Atrial Fibrillation (AF)

Sharing learning and spreading best practice from across the 15 AHSNs to reduce AF-related strokes.

PINCER preventing prescribing errors

Supporting pharmacists and GPs to identify patients at risk from their medications and taking the right action.

Serenity Integrated Mentoring (SIM)

Bringing together police and healthcare professionals to make a positive difference to the lives of people with complex mental health needs.

ESCAPEpain

A group rehabilitation programme for people with knee and/or hip osteoarthritis, providing self-management support in the community.

Innovation Exchange

- Funded by the Office for Life Sciences specifically to focus on technologies and associated economic growth
- Improve matching between priority health system needs and potential solutions by working with health and care partners industry and third sector
- Signposting
- Identify products with most potential for national impact for review by the Accelerated Access Collaborative



TheAHSNNetwork Success Adoption 23 **Brokering Finance Procurement** SBRI Healthcare Markets Commercialisation SBRI Intellectual Property **Evaluation Clinical Trials** Ideas **Innovation Pathway** Culture

SBRI Healthcare

SBRI Healthcare procures the development of innovative solutions for identified health needs.

Funded by NHS England and run by the AHSNs, SBRI Healthcare has supported over 150 companies to develop their innovations and bring them to the NHS.

www.sbrihealthcare.co.uk



Our collective impact since 2013



Over
330 innovations
introduced through
AHSN influence



Over

22 million
patients
benefited
from AHSN
input



£330 million leveraged by AHSNs



Over

11,000 locations actively developing & using innovations supported by AHSNs



Over **500 jobs** created



Hundreds of commercial innovators supported

NHS Innovation Accelerator (NIA)

The NIA supports the uptake and spread of high impact, evidence-based innovations across England's NHS, benefitting patients, populations and NHS staff.

An NHS England initiative delivered in partnership with the AHSNs, it currently supports 36 'Fellows' representing 37 innovations.

www.nhsaccelerator.com







PneuX, NIC, myCOPD and Episcissors-60 have benefitted from regional events cohosted by local AHSNs to support uptake via the Innovation and Technology Tariff

in an international trade mission by DigitalHealth.London, supported by all three London AHSNs

Serenity Integrated
Mentoring (SIM) has
received additional
funding from Wessex
AHSN for a part-time
mental health nurse





DrDoctor presented at the Innovation Agency (North West Coast AHSN) Eco10 innovation event Sore Throat
Test-and-Treat has
received support from
the Health Innovation
Network exploring the
potential of test sites
within South London

All Fellows benefit from access to West Midlands AHSN's innovation exchange, 'Meridian'





Join Dementia
Research is completing
technical integration
work at NELFT
(community trust) as
part of SBRI funding
phase 2 grant, led by
UCLPartners

Artemusics presented at Yorkshire & Humber AHSN's annual conference



Connect with us

- @AHSNNetwork #AHSNs
- in The AHSN Network

www.ahsnnetwork.com

info@ahsnnetwork.com



An Innovator's journey: ORCHA Liz Ashall-Payne, 2017 Fellow







Lessons and insights from the NIA

Laura Boyd

Delayed uptake: a historical challenge



How fast do clinical procedures reach patients?



Average annual rate of adoption = 3.2 %

Clinical Procedure	Landmark Trial	Rate of Use study	Rate of Use %	Annual increase in Rate of Use %
Flu Vaccination	1968	1997	55	1.9
Thrombolytic therapy	1971	1989	20	1.1
Pneumococcal vaccination	1977	1997	35.6	1.8
Diabetic eye exam	1981	1997	38.4	2.4
Beta Blockers after MI	1982	1997	61.9	4.1
Mammography	1982	1997	70.4	4.7
Diabetic footcare	1983	1998	20	4.0
Cholesterol screening	1984	1995	65	5.9
Fecal occult blood test	1986	1993	17	2.4

Balas, E. A., & Boren, S. A. (2000). **Yearbook of Medical Informatics: Managing Clinical Knowledge for Health Care Improvement.** Stuttgart, Germany: Schattauer Verlagsgesellschaft mbH.

What to consider before developing a bespoke spread model 2

- The AHSN Network England
 - **ovation Accelerator**

- Behaviour of surrounding c
- National guidelines and pol
- Incentives and disincentive
- Demand / market

- Local strategy/ priorities
- Leadership
- Infrastructure/ capacity
- Effectiveness of current pra
- Freedom to operate



- Type
- Cost
- Evidence base
- Competitors
- Business model

What are the components of the NIA spread model?



BESPOKE to both the INNOVATION and ADOPTING CONTEXT

ENABLING SYSTEM CONDITIONS

Create and influence levers to enable innovation

MATCHING SUPPLY AND DEMAND

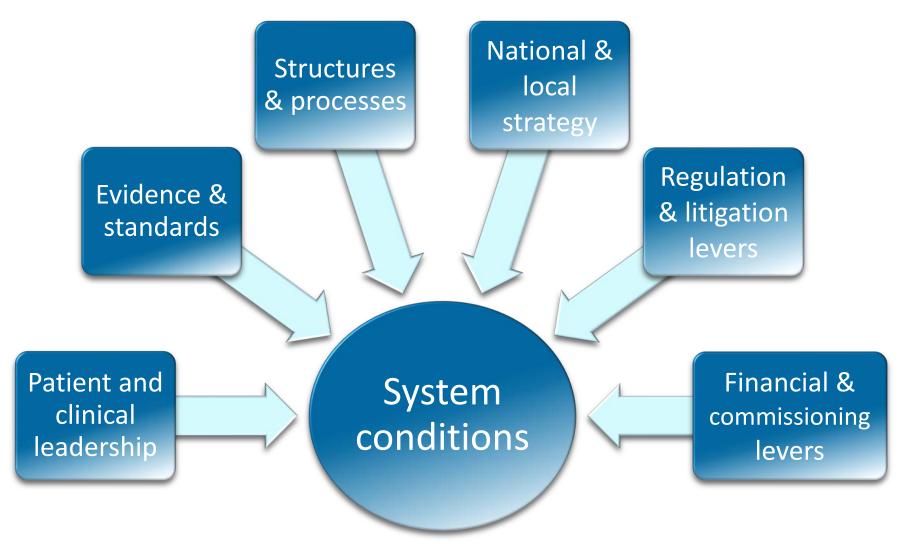
Select the best and identify processes that bring together supply and demand

SUPPORTING SUPPLY SIDE

Support health entrepreneurs

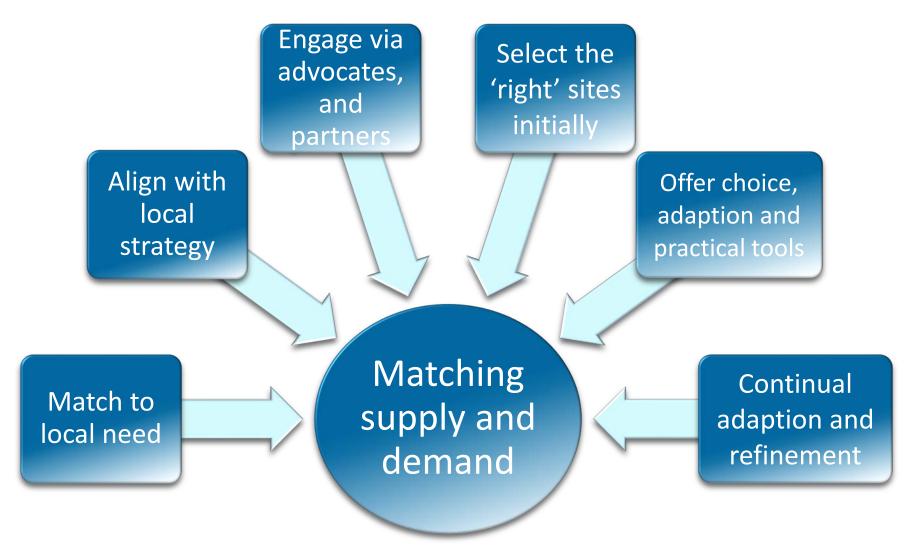
Components of the spread model: Enabling system conditions





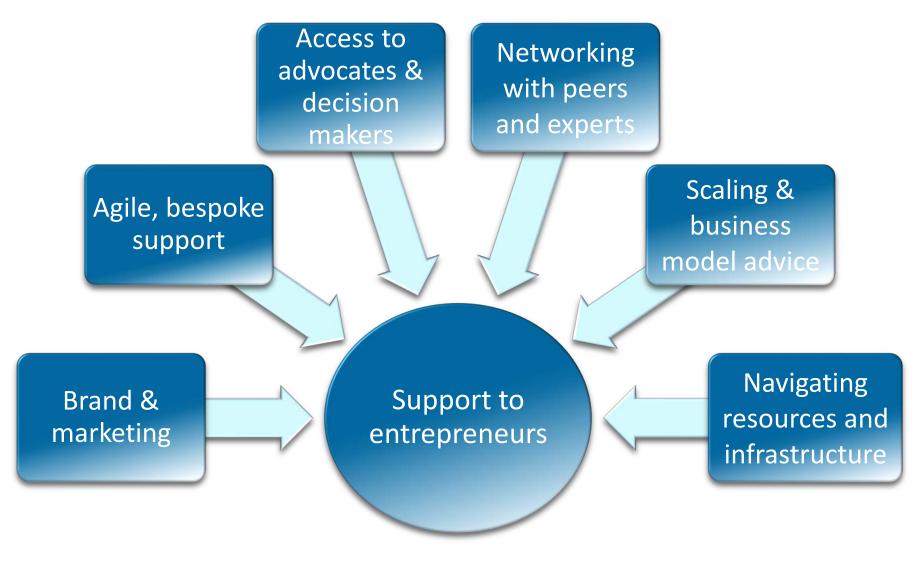
Components of the spread model: Matching supply and demand





Components of the spread model: Supporting supply side





Independent evaluation



Two enablers common across all innovations

Access to a supportive skilled team linked to a national network

Conditions for success Patient involvement



The characteristics of NIA Fellows and their innovations

Communication skills, non-sales approach and the ability to sustain relationships

Innovations that were able to deliver results in one year

Maturity of innovation before receiving NIA support

Use of mentors











The NIA brand's 'quality stamp'

Building national partnerships

Gaining champions and endorsement

Demonstrating alignment with national and local agendas

Financial incentives

Independent evaluation





Overcoming barriers



NHS financial environment

Solutions:

- Diversification strategy
- Cross-subsidise business through other revenue streams
- Further marketing at specific target audiences
- Reduce sales price



Capacity and capability constraints

Solutions:

- · 'Land and expand': engage individual clinicians in small pilots which address immediate needs, to spark appetite for wider scaling
- Bring in specialist IT support to address compatibility and IG concerns



Identifying and involving patients

Solutions:

- Present digital solutions as one of many channels
- Engage via patient advocates and patient networks



Navigating NHS commissioning

Solutions:

- Diversification strategy
- Focus on most promising activities
- Model benefits that are prioritised by commissioners
- Build data capture and analytics into your innovation





@NHSAccelerator www.nhsaccelerator.com



2018 Call: guidance for applicants

Rebekah Tailor

Communications and Engagement Manager

NHS Innovation Accelerator (NIA)

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All applicants should read the following before applying:



- 1. Call for Applications
- 2. NIA 2018 Challenge documents:
 - Mental Health
 - Early intervention and prevention (cancer and cardiovascular disease)
 - Primary Care
- 3. Guide for Applicants
- 4. FAQs
- Draft contract

All are available at: https://nhsaccelerator.com/apply/



Application process

Activity	Date	Explanation	
Application deadline	Midnight, 24 Oct 2018		
Screening	25 Oct – 1 Nov 2018	To ensure application complete and meets basic NIA criteria. You will be notified if your application does not proceed to assessment	
Application form assessment	3 Nov – 3 Dec 2018	Each form assessed by min. 4 assessors incl. Clinicians, patients, AHSNs, commercial experts	
Shortlisting panel	14 Dec 2018	To confirm who is invited to interview	
Applicants invited to interview	w/c 17 Dec 2018		
Interviews	8, 9, 11 Jan 2019	Panel interview - approx. 1 hour	
Decision making panel	23 Jan 2019	Chaired by Professor Stephen Powis; partner AHSNs, patient reps, Fellows reps, The Health Foundation	
Outcomes communicated to applicants	28 Jan 2019		

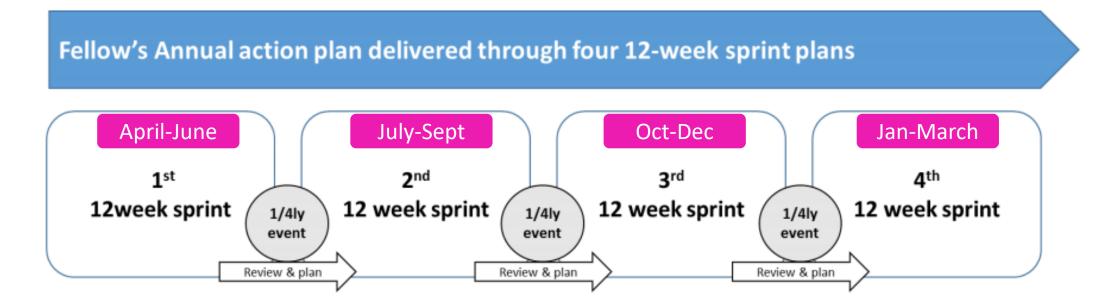




Time commitment: 2 days per week

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- Attendance at quarterly events
- Working up and implementing sprint plans
- Providing updates to NIA team
- Meeting mentors, lead AHSNs



Once you are ready to apply, visit www.nhsaccelerator.com/apply/



This page contains all the Call documents that you need to read prior to applying

Applications for the 4th Call of the NHS Innovation Accelerator are now open

APPLY NOW

If you're thinking of applying for the 4th Call, register for one of our FREE information events, taking place in London, Southampton and County Durham in September.

You can also watch our information webinar.

The deadline for applications is midnight on 24th October 2018. Please ensure you have read the following guidance documents before visiting the application page:

- Call for Applications
- · Guide for Applicants
- . Theme 1. Prevention and early intervention in cancer and cardiovascular disease
- . Theme 2. Mental Health
- . Theme 3. Primary Care
- Sample contract for Fellows

'Apply now' will take you to the application form

A one-stop shop for innovation

Welcome to the NHS England Innovation Exchange application portal

This site dellivers some of NHS England's Innovation activity. Please follow the link for further information.

By registering or signing in opposite you will be able to apply for any of NHS England or its associates' calls and competitions that are currently open.

Calls now open on this site:

- Innovation Technology Payment (ITP) the ITP 2019/20 is a competitive process designed to scale
 up adoption of innovations and technologies that have already proved their clinical effectiveness and
 are ready for nationwide spread. The ITP removes some of the financial and procurement barriers
 which can inhibit uptake at scale.
- NHS Innovation Accelerator (NIA) the NIA is a national accelerator supporting exceptional
 individuals leading a high impact, evidence-based innovation to scale at pace across the NHS. The
 NIA's unique dual focus offers both personal development for individuals and their innovations. This
 includes overcoming system challenges, developing scaling strategies, plus access to mentorship, a
 bursary and a valuable peer-to-peer network.

Email:
you@example.com

Password:
Enter your password here...

Sign In » Forgot your password?

Need An Account?

Sign Up »

Sign In

Register or sign in now to apply.

You will need to register for an account before you can start your application form.

Ready to go?

We just need a bit more information from you before you can start.

Once you sign up, you will need to check your email for an account activation link. You should receive the email within a couple of minutes. Make sure to type your email correctly!

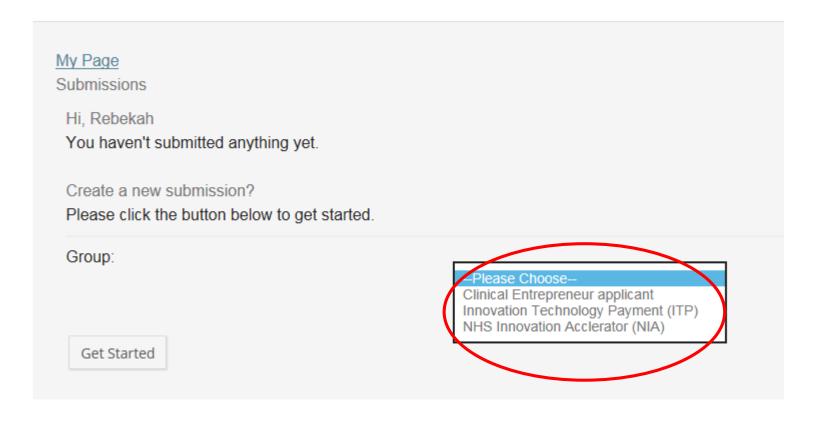
If you already have an account, you can log in here.

First name:		
John		
Last name:		
Smith		
Email:		
xxxxx@gmail.com		
Create a password:		
•••••		

Registration details required include name, email address and password.

If you forget your password, please contact NIA@uclpartners.com

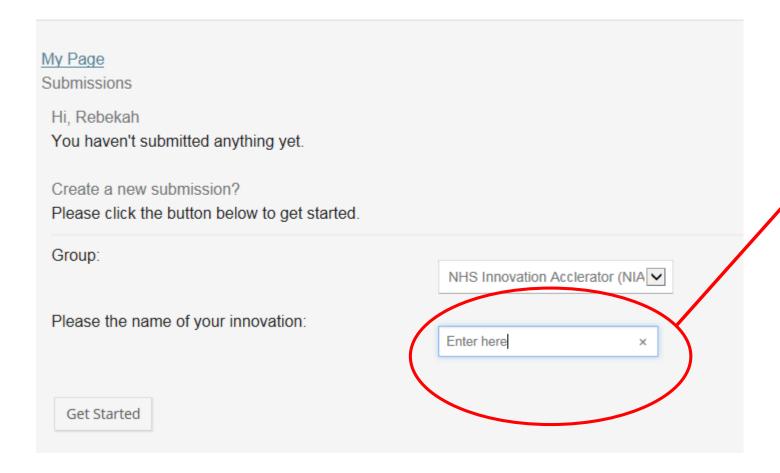
A one-stop shop for innovation



Once registered, you will need to choose the right 'Group'

You need to select 'NHS Innovation Accelerator (NIA)'

A one-stop shop for innovation



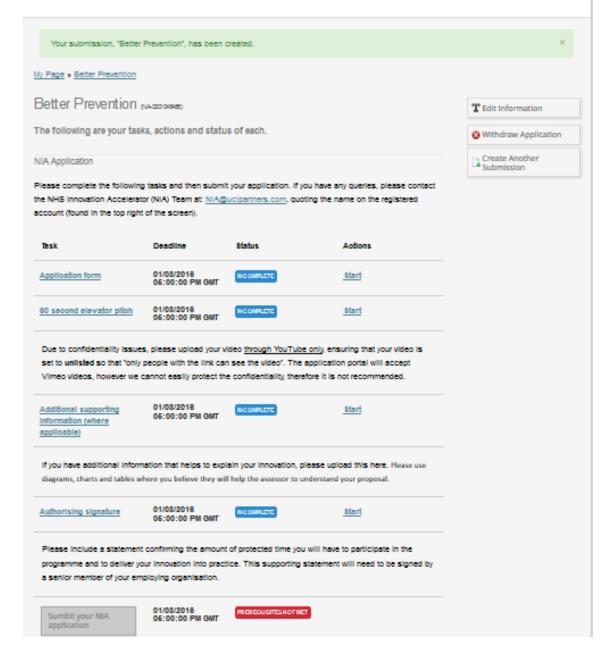
You will need to provide the name of your innovation.

This is what we will use to identify your application form.

Settings Help

NHS England Innovation Exchange Application Portal

A one-stop shop for Innovation



Here you will see the 4 sections of the application process:

- 1. Application Form
- 2. 60 Second Elevator pitch
- 3. Additional Supporting information (where relevant)
- 4. Authorising signature

You can click into each section to begin.

You will have the option of saving and reviewing each section before submitting.

With the exception of the supporting information section, you will not be able to submit an application until all relevant sections have been completed.

A one-stop shop for innovation

My Page » Cinnamon Buns » 60 second elevator pitch

60 second elevator pitch

As part of this application form, we would like you to film a one minute elevator pitch covering why we should select you and your innovation to join the NIA. This does not need to be high quality and can be filmed on a SMART phone. The elevator pitch must not exceed one minute. Please upload this one minute film to YouTube, providing a private link, then upload this here.

- br /> cbr /> To upload a video to YouTube, please read this simple guide. You will need to create a YouTube account if you do not already have one.

- cbr /> cbr /> Due to confidentiality issues, please upload your video <u>through YouTube only</u>, ensuring that your video is set to sweet to confidentiality, ensuring that your video is set to sweet to confidentiality, ensuring that your video is set to sweet to confidentiality, the application portal will accept Vimeo videos, however we cannot easily protect the confidentiality, therefore it is not recommended.

- br />

Title:
YouTube or Vimeo link:

Submit

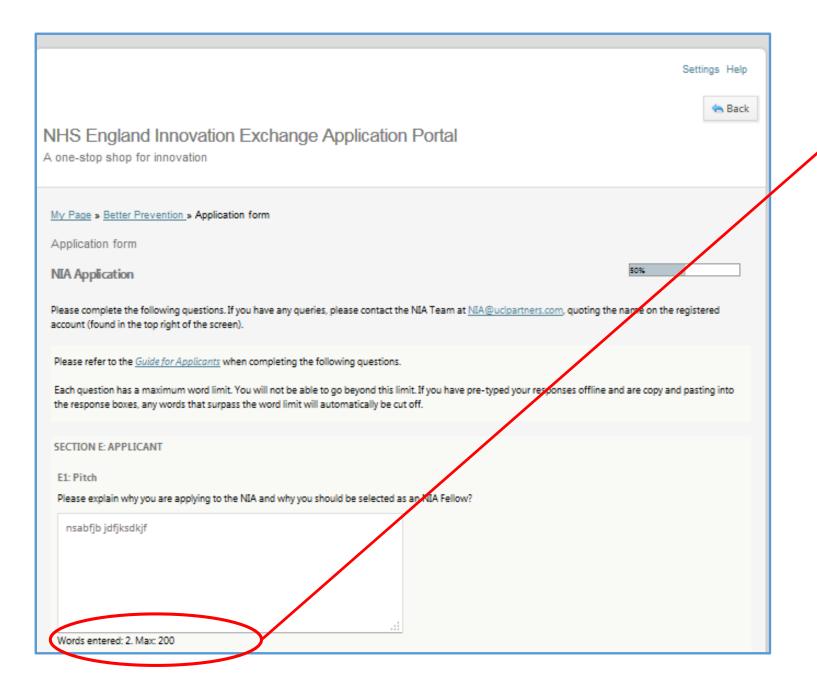
Settings Help

Back

Applicants are asked to submit a one minute elevator pitch as to why them and why their innovation should join the NIA

Guidance as to how to do this can be found on the Guide for Applicants.

For security reasons, it is advised this is uploaded through YouTube although the system will also accept Vimeo.



Each question has a word limit.

The word limit will be displayed below the text box.

You will not be able to exceed the maximum word count.

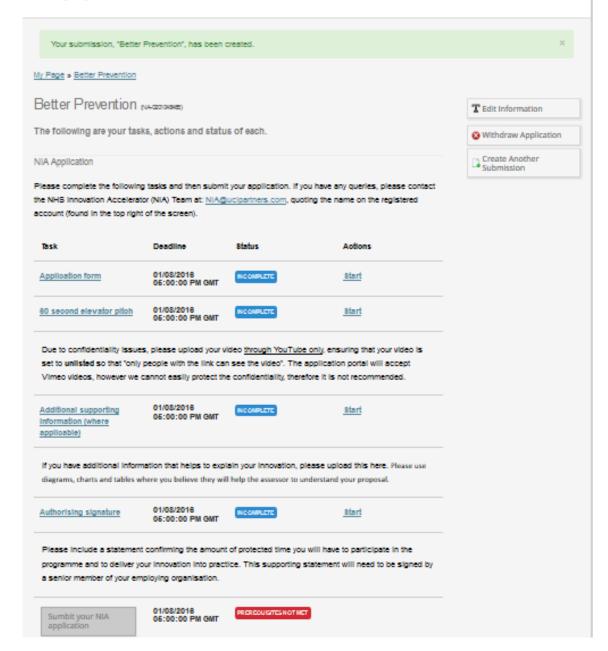
If cutting and pasting answers, please do check you are within the word limit so that nothing is lost.

The Guide for Applicants also contains the word count for each question.

Settings Help

NHS England Innovation Exchange Application Portal

A one-stop shop for Innovation



Once you have completed a section, you will return to the main page to complete the next section.

Once the three required sections have been completed you will be able to submit your application.

Once submitted, you will be unable to review and edit it.





Online Q&A sessions

The Q&A sessions are open to anyone without prior registration.

Visit <u>www.nhsaccelerator.com/apply</u> and select the 'Online Q&A' dropdown to access joining details.

For questions not answered or which may arise whilst completing your application, visit www.nhsaccelerator.com/apply, or email NIA@uclpartners.com

Dates of Q&A sessions:

- **▶12 September, 10-11am**
- >21 September, 3-4pm
- >27 September, 9-10am
- **>**2 October, 4-5pm
- **≻10** October, 1-2pm
- >15 October, 2-3pm
- >23 October, I2-1pm





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Thank you

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