

Northern CCG Joint Committee

Date of meeting: 10 January 2019

Does paper need to be circulated before the agenda goes out (ie earlier than 10 working days prior to the meeting) (please circle): **No**

Title of report: Collaboration with the Academic Health Science Network North East North Cumbria

Purpose of report (brief description):

Board director representatives from the CCGs and technology transfer funding opportunities

Recommendations:

Is the paper for (please tick):

Decision-making

Information Sharing

Discussion

Actions required by Northern CCG Joint Committee:

- To nominate two CCG accountable officers for consideration by the Chair of the AHSN Board to be members of the AHSN Board
- To note the key work programmes in the AHSN and explore opportunities for greater engagement
- CCGs to consider accessing the Technology Transfer Funding

Sponsor: Mark Dornan

Report Author: Nicola Wesley

Job Title: Chief Operation Officer AHSN

Date: 05 December 2019

Introduction to the Academic Health Science Network

The Academic Health Science Network for the North East and North Cumbria (AHSN NENC) is one of fifteen AHSNs across England, delivering a step change in the way the NHS identifies, develops, adopts and spreads innovative technologies and service improvements into clinical practice. A key part of the prevention agenda is to enable economic growth and the AHSN provides a key interphase between the NHS and wider partners contributing to this.

Member organisations benefit from a wide range of services delivered by the AHSN NENC, including access to industry partners, engagement with networks of healthcare experts, access to regional and national healthcare programmes and opportunities for collaborative working to address local and regional healthcare priorities and needs.

The AHSN NENC operates as a company limited by guarantee and since our inception back in 2013, CCGs representatives have constituted a significant part of our Board structure. The AHSN NENC Board currently comprises: - Chair, Chief Executive, five representative directors from NHS FT Member Organisations, three representative directors of Higher Education Institutions, and three representative directors of CCG members.

To date, our CCG Representatives have included the following: -

Henry Waters	NHS South Tees CCG	Oct 2013 – Nov 2014
Laura Carr	NHS Cumbria CCG	Oct 2013 – Mar 2016
Alison Wilson	NHS Hartlepool & Stockton-on-Tees CCG	Oct 2013 – May 2016
Neil O'Brien	NHS North Durham CCG	Nov 2014 – Feb 2017
Jonathan Smith	NHS Darlington Dales, Easington & Sedgefield CCG	Apr 2016 – Oct 2018
Mark Dornan	NHS Newcastle Gateshead CCG	Feb 2017 -
Janet Probert	NHS Hambleton, Richmondshire & Whitby CCG	Feb 2017 – February 2019

Table 1: CCG Representatives from inception of the AHSN to date

Action: As you will see from the Table above, we are seeking nomination of two representative directors from our CCG Member Organisations, in accordance with our Articles of Association:

Clause 11.7 - The three founding Representative Directors to represent the CCG partner organisations shall be such persons appointed by the agreement of the CCG partner organisations, or in the absence of agreement by holding a ballot election of the CCG partner organisations.

Background information

An overview of projects that have been delivered in collaboration between the AHSN NENC and regional CCGs since AHSN inception.

Year	Lead Organisations	Project Title	Funding provided
2014-15	NHS Darlington Dales, Easington & Sedgefield CCG	COPD Nurse Coordinator in DDES	£20,000
2014-15	NHS Cumbria CCG	Resource Management / e-referrals with Care Homes across Cumbria	£20,000
2014-15	NHS Darlington Dales, Easington & Sedgefield CCG	Darlington Respiratory Disease Programme	£15,000
2014-15	North of England Commissioning Support (NECS)	Deployment of enhanced summary care record	£16,000
2014-15	North of England Commissioning Support (NECS)	Innovation Scouts	£2,500
2014-15	NHS Gateshead CCG	Innovation Scouts	£2,500
2014-15	NHS North Tyneside CCG	Innovation Scouts	£2,500
2014-15	NHS South Tees CCG	Innovation Scouts	£5,000
2015-16	NHS Darlington Dales, Easington & Sedgefield CCG	Darlington Respiratory Disease Programme - Year 2	£15,000
2015-16	NHS South Tees CCG	Tech Transfer	£22,500
2016-17	NHS Newcastle Gateshead CCG	Newcastle Community Admiral Nurse	£50,000
2016-17	Newcastle upon Tyne Hospitals NHS Foundation Trust, Newcastle University, Newcastle Gateshead CCG, AHSN Falls Programme	'Stop falling before it starts'. Increasing access to multifactorial falls and fracture risk assessment and intervention for older people at risk of falls or early in their falls career via proactive case finding.	£60,000
2016-17	South Tees CCG, TEWV, Cleveland Police	Mental Health Nurse provision in Cleveland Police Force Control Room.	£40,000
2016-17	North Tyneside CCG, Northumbria University, Newcastle University, North Tyneside CCG, Prestwick Care	Implementation of a system to learn from patient and relative experiences of safety following transfer into care homes	£41,210

Continued:

2016-17	Northumberland Tyne Wear NHS Foundation Trust, Sunderland CCG, North of England Commissioning Support, Newcastle/Gateshead and North Tyneside CCGs, University of Sunderland,	Evaluation of the impact of a Pharmacist Independent Prescriber (PIP) in a clinic setting within a Learning Disability Community treatment team (LDCTT)	£13,000
2016-17	County Durham and Darlington NHS Foundation Trust, University of Cumbria, Cumbria CCG, Cumbria Partnership Foundation NHS Trust, InHealthcare	Digital Healthcare at Scale: Tools, Training and Best Practice through a Falls Prevention Service Rollout as Case Study	£33,000
2017-18	NHS Sunderland CCG	A Delivery Model for Spirometry Training in Primary Care	£9,000
2017-18	NHS Hambleton, Richmondshire & Whitby CCG	Improving management in primary care of PPS	£10,000
2017-18	St Anthony's Health Centre	Shared Medical Appointments for Patients with Persistent Pain	£8,000

Table 2: Projects that have been delivered in collaboration between the AHSN NENC, CCGs and Primary Care

Projects for 2018 and Beyond

Improving Health

Seven programmes developed regionally across England have been selected by NHS England for national adoption and spread across the AHSN Network during 2018-2020.

These are: -



- Atrial Fibrillation (AF)

Our AF programme aims to identify those with atrial fibrillation and to ensure appropriate management of those with AF with the ultimate aim of reducing strokes. Our work with a range of CCG focusses upon AF management with our AF Clinical Lead – Dr Jane Skinner sending our CCG bespoke AF management figures by letter (see appendix 1). The NHSE pulse detection programme involves the roll out of Alivecor devices in settings including community pharmacies, GP practises and podiatry services.

- PReCePT

This is a programme that enhances of administration of IV magnesium to ladies in preterm labour with a view to reducing cerebral palsy. Although it largely impacts as a programme upon neonatal and maternity units, it has impact for other settings in terms of the opportunities and consequences of the intervention.

- Transfers of Care Around Medicine (TCAM)

Transfer of care around medicines recognises the risks around moving of patients between secondary and primary care. There is evidence that using electronic TCAM reduces risks. The NE has led on the development of this programme and are at the forefront of its delivery. Currently there is big take up in Newcastle, Durham and North Cumbria areas and the hope is to spread through the lifetime of the programme.

- PINCER

PINCER is a system that detects potentially harmful combinations of medications that are then considered by a clinical pharmacist. In NENC we have a similar system delivered via RAIDR and our team are working closely with NECS and the national team to encourage adoption of our existing system as PINCER-like in order to avoid duplication.

- ESCAPE-pain

Osteoarthritis of knee and hip are very common and cause considerable morbidity. Escape-pain provides a standardised intervention for these conditions delivered in a group setting. We were an early adopter of this intervention in NENC and now have a number of trainers and practitioners in our region delivering escape-pain in a range of settings including health clubs.

- Serenity Integrated Mentoring (SIM)

SIM is a mental health intervention that aims to form partnerships between police forces and mental health services in order to provide better support for those with frequent interactions with services.

- Emergency Laparotomy Collaborative (ELC).

For those who have acute abdominal pain who require surgery an emergency laparotomy is sometimes required. Outcomes from this surgery are variable and a care bundle has been

proposed that is aimed at driving up standards and improving outcomes. In NENC we have identified two clinical champions for EL who are working in partnership with Trusts in our region who perform EL to look at how this can be rolled out.

Innovation and Wealth Creation

Technology Transfer Funding Call

The Academic Health Science Network for the North East and North Cumbria (AHSN NENC) is launching a call for applications from Clinical Commissioning Groups (CCGs) across the North East and North Cumbria to help support the development of an 'innovation infrastructure' within CCGs. This includes the development of processes that supports the identification, protection, development, commercialisation and dissemination of innovative ideas, services and products that can improve patient care and contribute to economic growth. The AHSN is particularly interested in how primary care can be supported to achieve this. For the purposes of this call the funding is referred to as "Technology Transfer funding".

There are five core objectives of the Technology Transfer funding, as follows:

1. **Development of an Innovation Strategy and Intellectual Property (IP) policy** - To have an established process and structure for dealing with innovation queries from within the organisation. Ideally this should be supported by an Innovation Strategy which has Board level approval.
2. **Idea Harvesting** – To have a defined process for collecting and assessing innovative ideas from staff and partner organisations
3. **Identification of problems and unmet needs** - To have a defined process for collecting and assessing problems and unmet needs from staff and partner organisations
4. **Adoption** – To support the spread and adoption of innovations; both those that have been developed locally as well as those which have been selected nationally as exemplars, for example, through NHS England funded schemes such as the NHS Innovation Accelerator (NIA), Innovation Technology Tariff (ITT) and Innovation Technology Payment (ITP).
5. **Marketing & Communications** - To have strategies in place to raise awareness of innovation and support the AHSN to promote relevant events.
- 6.

Eligibility

Clinical Commissioning Groups (CCGs) in the North East and North Cumbria region. The application for funding must be submitted by a Member Organisation of the AHSN and only one application per Member Organisation may be submitted.

Funding Available

The maximum funding available per organisation will be no more than £25,000 to 30,000 to be deployed over a period of 12 months. Please note that maximum funding is not guaranteed and will



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be dependent upon the total number of successful applications. The total fund available is £100,000.

How to Apply

Supplementary Guidance and Information is available in Appendix 1 of this Report. Please complete using the attached application form (Please see Appendix 2) and return to mark.taylor@ahsn-nenc.org.uk

Key Dates

Closing date – 8th February 2019

Assessment of applications – 11th – 21st February 2019 (by AHSN NENC Team)

Decisions communicated to applicants – 22nd February 2019

Who to Contact

If you have any questions or would like to discuss your application please get in touch with one of our AHSN NENC Innovation Managers:

Charlotte Fox - charlotte.fox@ahsn-nenc.org.uk

Mark Taylor - mark.taylor@ahsn-nenc.org.uk

Appendix 1: Supplementary Guidance and Information

The AHSN NENC is an innovation organisation that supports NHS Trusts, CCGs and small and medium sized enterprises (SMEs) to identify, develop and commercialise healthcare innovations. The AHSN NENC receives core funding from NHS England and the Office of Life Sciences (OLS). The objectives of this core funding are to improve health and generate economic growth. The AHSN NENC supports a number of national programmes and local programmes that have emerged from regional stakeholder need as well as a suite of innovation support services that form The Innovation Pathway. For more information about the AHSN NENC please visit the website (<https://www.ahsn-nenc.org.uk/>)

Purpose

The purpose of the Technology Transfer funding is to provide capacity for NHS organisations to set up and maintain an innovation management infrastructure. The funding is specifically for developing innovation within the organisation and across partners, to:

- ◆ Encourage and support staff within the organisation to share their ideas and problems;
- ◆ Have ideas assessed (including their commercial potential)
- ◆ Create a culture of innovation and an awareness of intellectual property (IP) in the organisation
- ◆ Explore ways to share and spread the innovation

The benefits include:

- 1) The improvement of patient care and experience
- 2) The improvement of the experience of staff and their working environments
- 3) The creation of an additional revenue source for the organisation
- 4) Efficiency savings within the system

Definitions

Technology Transfer (or 'transfer of technology') is a process involving the transfer of skills, knowledge, research, technologies, and methods of manufacturing *between* and *within* institutions to ensure they reach a wider distribution of people and organisations. Traditionally, technology transfer has been done within the business/corporate sector and in Universities.

The main aim is to develop innovations and commercialise them so that:

- a) A wide range of people can benefit from the best possible discoveries; and
- b) Value is created, and they can be brought to market to generate income.

An important aspect of technology transfer is the consideration of the protection of the idea through the most appropriate intellectual property (IP) rights. This can include patents, design rights, trademarks, copyright, and 'know how'.

The commercialisation process varies but can include any of the following:

- Licensing agreements – once the innovation is protected, a 'license' gives permission for others to use or manufacture the innovation. This is usually in return for a lump sum fee, royalties or shares.
- Joint venture - A business arrangement where two or more parties share their resources, risk and rewards in order to achieve a specific objective of bringing a new technology to market.
- Spinouts – A new company is 'spun out' from a parent organisation (for example a University). This typically happens when additional resources, funding and skills are needed to develop the innovation further.

Metrics

At a minimum, successful organisations will be expected to inform the AHSN NENC of the following metrics:

- ◆ Number of ideas submitted by staff
 - Number of ideas not taken forward
 - Number of ideas explored further ('In progress')
 - Number of ideas implemented
- ◆ Number of problems/unmet needs submitted by staff
- ◆ Uptake on national innovations and / or involvement in health improvement programmes
- ◆ Number of innovations licensed (to a third party)
- ◆ Number of items of IP created/filed (e.g patents, registered/unregistered designs, trademarks, copyright)
- ◆ Number of case studies generated
- ◆ Jobs created
- ◆ Jobs safeguarded
- ◆ Income generated (e.g. through innovation funding, i4i or other funding streams, or through royalties, sales)

Assessment Process

The shortlisting process will be carried out internally by members of the AHSN Economic Growth team using the assessment criteria shown below.

Assessment Criteria

1. The perceived fit with the stated objectives of Technology Transfer;
2. A clear and credible proposal for how the funding will be utilised to achieve the objectives
3. Assessment of value for money; for example, the ability to contribute to economic growth metrics (i.e. the number of ideas disclosed, the number of items of intellectual property created, the number of high-quality case studies generated) and the potential to engage with industry and SMEs;
4. Quality and coherence of the application;
5. Confidence in the ability of the Member Organisation to deliver the agreed objectives and associated metrics; and
6. Benefit to the AHSN (e.g. the ability of the AHSN to gain an understanding of the internal workings, assets / processes of the Member Organisation, inclusion of the AHSN in these areas, greater understanding of the organisation so that the AHSN can actively promote it, and the adoption of the AHSN objectives).

-----END OF NOTES-----

Appendix 2: Application form for Technology Transfer Funding

Thank you for your interest in applying.

Supplementary Guidance and Information is available in the attached document 'Brief for AHSN Funding Call: Supporting Innovation in CCGs'

Please complete and return your Application Form to mark.taylor@ahsn-nenc.org.uk by **5pm on Friday 8th February 2019**.

****Please note that this call is only open to Clinical Commissioning Groups (CCGs) in the North East and North Cumbria who are a Member Organisation of the AHSN in the North East and North Cumbria. Only one application per Member Organisation may be submitted****

If you need to speak to someone about your application please contact one of our Innovation Managers, Charlotte Fox (charlotte.fox@ahsn-nenc.org.uk) or Mark Taylor (mark.taylor@ahsn-nenc.org.uk), or you can reach them by telephone on 0191 208 1326.

CCG Name	
Lead Contact Name	
Lead Contact Email	
Name of Person Completing Application (if different from above)	
Email of Person Completing Application (if different from above)	
Registered address of AHSN Member Organisation	
AHSN Investment Requested <i>(Please note that funds are limited, and the maximum investment is £30,000 over a 12-month period)</i>	



Question 1: Please describe how you would meet each of the five objectives (e.g. Innovation Strategy, Idea Harvesting, Identification of problems and unmet needs, Adoption, Marketing & Comms)

Question 2: 'The current landscape' – Please describe the current innovation culture and landscape within the organisation and primary care

Question 3: How would you propose to utilise the funding? (e.g. on a specific post; to create an 'innovation fund' for practices to utilise)

Question 4: Goals and Vision - Please describe where you would like to be at after a year of receiving technology transfer funding

Question 5: Please tell us about any knowledge or operational expertise you have with any of the following national initiatives (Innovation Technology Tariff (ITT), Innovation Technology Payment (ITP), NHS Innovation Accelerator (NIA))

Question 6: Please tell us about any current or past innovations or innovative service improvement projects that you consider relevant to this application (for example, what are they; how successful have they been; who they have involved; any challenges encountered and how these were overcome)

Question 7: Do you have clinical support for the application (for example, from primary care clinicians/managers)

Question 8: Do you have Executive level support for the application?